

5/29/2001

705/024

Access DB# 246

## SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: ELAINE GURT Examiner #: 77459 Date: 5/23/01  
Art Unit: 2167 Phone Number 308-6341 Serial Number: 09/410,744  
Mail Box and Bldg/Room Location: PK23A46 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

\*\*\*\*\*

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: method for electronically merging digitized data system of generating billing statements for published advertisement

Inventors (please provide full names): Willard W. Bel; Maria Elena Lopez;

John Nelsing

Earliest Priority Filing Date: Oct 16, 1998

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Automated advertisement billing system which has a database for the ads, the invoice, and a publication pages for tracking the ads and the billing for the ads. Database established containing files with the ad customers ads, pub pages and invoices.

Invoices automatically list ads and when ads were published.

See claim 8

### STAFF USE ONLY

Searcher: Tamie Tohp  
Searcher Phone #: 308-5967  
Searcher Location: 6112  
Date Searcher Picked Up: 5/24  
Date Completed: 5/29/01  
Searcher Prep & Review Time: 150  
Clerical Prep Time: \_\_\_\_\_  
Online Time: 360

### Type of Search

NA Sequence (#) \_\_\_\_\_ STN \_\_\_\_\_  
AA Sequence (#) \_\_\_\_\_ Dialog \_\_\_\_\_  
Structure (#) \_\_\_\_\_ Questel/Orbit \_\_\_\_\_  
Bibliographic X \_\_\_\_\_ Dr. Link \_\_\_\_\_  
Litigation \_\_\_\_\_ Lexis/Nexis \_\_\_\_\_  
Fulltext X \_\_\_\_\_ Sequence Systems \_\_\_\_\_  
Patent Family \_\_\_\_\_ WWW/Internet \_\_\_\_\_  
Other \_\_\_\_\_ Other (specify) \_\_\_\_\_

### Vendors and cost where applicable

File 344:CHINESE PATENTS ABS APR 1985-2001/May  
(c) 2001 EUROPEAN PATENT OFFICE  
File 347:JAPIO OCT 1976-2001/JAN(UPDATED 010507)  
(c) 2001 JPO & JAPIO  
File 350:Derwent WPIX 1963-2001/UD,UM &UP=200129  
(c) 2001 Derwent Info Ltd

Set	Items	Description
S1	2456	(BILLING OR PAYMENT OR INVOIC? OR ACCOUNTING OR ACCOUNTS()-RECEIV?) (3N) (SYSTEM? OR MANAGEMENT? OR STATEMENT?)
S2	30540	ADVERTIS? OR AD OR ADS
S3	750934	COMBIN? OR MERG? OR MATCH?
S4	1005	(AUTOMATED OR ELECTRONIC? OR DATABASE? OR DATA()BASE?) (5N)- (BILLING OR ACCOUNTING OR INVOIC? OR PAYMENT? OR DEDUCTION?)
S5	16	TEARSHEET? OR TEAR() SHEET? OR AD? () ORDER() (SHEET? OR FORM? OR ENTRY)
S6	0	MANUAL? (2N) S5
S7	2433596	OBSOLETE OR OBSOLESC? OR ELIMINAT? OR TERMINAT? OR REMOV? - OR STOP?
S8	14690	(DATE? OR PAGE? OR NAME? OR CUSTOMER? OR SUBSCRIBER? OR ATTRIBUTE?) (3N) (PUBLISH? OR PRINT? OR DATABASE? OR DIGITAL? OR DIGITIZ?)
S9	1419	(TRACK? OR CHECK? OR VERIFY?) (3N) (BILL? OR CHARG? OR (DISPLAY OR DIGIT?) () AD? OR ADS OR ADVERTIS?)
S10	0	(CUSTOMER? () (INVOICE? OR BILL? OR STATEMENT?)) (5N) ((CUSTOMER?) (2N) AD?)
S11	692	UNIQUE(2N) IDENTIFIER?
S12	9	INTEGRAT? () ADVERTIS?
S13	0	S1 AND S12
S14	37	S1 AND S2
S15	13	S14 AND S4
S16	0	S15 AND S5
S17	0	S14 AND S9
S18	0	S14 AND S5
S19	1	S14 AND S3
S20	1	S19 NOT S15
S21	9	S9 AND S4
S22	0	S21 AND (S3 OR S5 OR S8 OR S11 OR S12)
S23	9	S21 NOT (S15 OR S19)
S24	1	S2 AND S3 AND S4
S25	1	S24 NOT (S15 OR S19 OR S21)
S26	220	S2 AND (S8 OR S9)
S27	5	S26 AND (S1 OR S4)
S28	2	S27 NOT (S15 OR S19 OR S21 OR S24)
S29	4	AU="WEIBEL W" OR AU="WEIBEL WILFRIED"
S30	47	AU="LOPEZ M"
S31	0	AU="LOPEZ M E"
S32	0	AU="METSIG J"
S33	1	(S29 OR S30) AND (S1 OR S2 OR S4 OR S5 OR S9 OR S11 OR S12)
S34	1	S33 NOT (S15 OR S19 OR S21 OR S24 OR S27)
S35	36357	DIGIT? () (DATA OR INFORMATION)
S36	377	S35 AND S2
S37	9	S36 AND (S1 OR S4 OR S8 OR S9 OR S11)
S38	9	S37 NOT (S15 OR S19 OR S21 OR S24 OR S27 OR S33)

15/5/1 (Item 1 from file: 347)  
DIALOG(R) File 347:JAPIO  
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05644389 \*\*Image available\*\*  
**ADVERTISEMENT /SELES SYSTEM FOR BOOK**

PUB. NO.: 09-259189 [JP 9259189 A]  
PUBLISHED: October 03, 1997 (19971003)  
INVENTOR(s): KATORI YOSHISHIGE  
APPLICANT(s): MITSUBISHI SOGO KENKYUSHO KK [488534] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 08-093012 [JP 9693012]  
FILED: March 25, 1996 (19960325)  
INTL CLASS: [6] G06F-017/60; G06F-019/00; G06F-017/30  
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)

**ABSTRACT**

**PROBLEM TO BE SOLVED:** To provide a new **advertisement** /sales system for book with which the discription of a magazine desirable for a customer is sent while using an electronic mail and the price is electronically settled by utilizing an on-line information provision system.

**SOLUTION:** Concerning the on-line system for providing information through a server, this system is provided with a scanner 2 for fetching image data D1 such as the table-of-contents(TOC) of magazine or the like into a client C1 of a network, input device 3 for fetching electronic copy data such as the TOC as character data D2, means 4 for compressing the fetched data D1 and D2 and transferring them to a server 1, and distributing means 8 for sending the electornic mail to the server 1 or any other server. Further, on the side of the server 1, a means 1a is provided for transferring order data D3 to a client 6 of a book sales company corresponding to the order of a customer concerning the transferred data, and an on-line price **payment settlement system** 10 is provided for **electronically** settling the **payment** of the ordered price of the customer between a transaction financial institute 11 of the customer and an organization 11b of the company based on the instruction from the company side.

15/5/2 (Item 1 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
(c) 2001 Derwent Info Ltd. All rts. reserv.

013728800 \*\*Image available\*\*  
WPI Acc No: 2001-213030/200122  
XRPX Acc No: N01-152218

**Payment transaction for purchasing of goods on the Internet which provides limited access to customer bank accounts by using an identifier for a specific amount of money**

Patent Assignee: INT COMPUTERS LTD (INCM )

Inventor: WILSON E

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2352861	A	20010207	GB 9918246	A	19990804	200122 B

Priority Applications (No Type Date): GB 9918246 A 19990804

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2352861	A		16	G07F-007/10	

Abstract (Basic): GB 2352861 A

NOVELTY - A customer (1) wishes to buy an item from an overseas

merchant (2) **advertising** on the Internet (3) but the customer has no prior dealing with the merchant and is reluctant to send credit card details. The customer bank (4) can offer a **payment** transaction **system** in response to a customer request by supplying an identifier to the merchant, who can use it to obtain **payment** using an **electronic** funds transfer system (5). The identifier represents the account on which the charge is to be made but does not give details of the account.

DETAILED DESCRIPTION - AN INDEPENDENT CLAIM is included for a method of payment for goods/services to be purchased at predetermined cost over the Internet.

USE - Making card-less payment transactions on the Internet.

ADVANTAGE - Using identifier to prevent fraudulent use of credit card details.

DESCRIPTION OF DRAWING(S) - The drawing shows the system of the invention

Customer (1)  
Merchant (2)  
Internet (3)  
Customer bank (4)  
Electronic funds transfer system (5)  
pp; 16 DwgNo 1/1

Title Terms: PAY; TRANSACTION; PURCHASE; GOODS; LIMIT; ACCESS; CUSTOMER;

BANK; ACCOUNT; IDENTIFY; SPECIFIC; AMOUNT; MONEY

Derwent Class: T01; T05

International Patent Class (Main): G07F-007/10

File Segment: EPI

15/5/3 (Item 2 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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013673713 \*\*Image available\*\*

WPI Acc No: 2001-157925/200116

Related WPI Acc No: 1994-341244; 1996-230762; 1996-393570; 1997-202395

XRFX Acc No: N01-114941

**Query based answering management system for computer based online services, determines availability of answers related to demanded queries, based on which incentive is estimated relevant to query answered by users**

Patent Assignee: ROSSIDES M T (ROSS-I)

Inventor: ROSSIDES M T

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6131085	A	20001010	US 9372386	A	19930521	200116 B
			US 94327704	A	19941024	
			US 95389405	A	19950216	
			US 95526497	A	19950911	
			US 96640132	A	19960430	
			US 96706762	A	19960828	

Priority Applications (No Type Date): US 96706762 A 19960828; US 9372386 A

19930521; US 94327704 A 19941024; US 95389405 A 19950216; US 95526497 A

19950911; US 96640132 A 19960430

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6131085	A	177	G06F-015/00		CIP of application US 9372386
					CIP of application US 94327704
					CIP of application US 95389405
					CIP of application US 95526497
					CIP of application US 96640132
					CIP of patent US 5359508



Abstract (Basic): US 6131085 A

NOVELTY - The availability of answer relevant to the input questions is determined. When specific answer is not available, answer from the user is collected. When answer is available, the relevant change is indicated along with answers input by the user. The estimated incentive to the user is computed using specific formula, connecting the answered question.

DETAILED DESCRIPTION - The answers and questions for various query categories are stored in the memory. When a query demand is received from the user, the user's identification (ID) data is stored in the database. The user's preference relevant to retrieval or answering of questions is also registered. Based on the stored data, the availability of answers in the database is searched. The incentives to be paid for each user providing the correct answers is computed based on the pay-off formula. When particular answer is not available in the database, the question is stored. The question list is produced after completing the pay-off formula calculation.

USE - For **payment based database accessing system** in computer network to provide query based answers for auctioning, traveling service, movies, stock market, **advertising**, grocery service and other related services.

ADVANTAGE - Facilitates retrieval of desired answers relevant to the output query by indicating the relevant incentives suitably.

DESCRIPTION OF DRAWING(S) - The figure shows the flow chart indicating the query based answering process.

pp; 177 DwgNo 1/41

Title Terms: QUERY; BASED; ANSWER; MANAGEMENT; SYSTEM; COMPUTER; BASED; SERVICE; DETERMINE; AVAILABLE; ANSWER; RELATED; DEMAND; QUERY; BASED; ESTIMATE; RELEVANT; QUERY; ANSWER; USER

Derwent Class: T01; W01

International Patent Class (Main): G06F-015/00

File Segment: EPI

15/5/4 (Item 3 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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013514596 \*\*Image available\*\*

WPI Acc No: 2000-686542/200067

XRPX Acc No: N00-507593

**Information exchange between closed vicinity electronic devices, involves executing installation module of main device computer unit continuously for wireless reception of data and program modules**

Patent Assignee: IDERUP M (IDER-I); LARSSON A (LARS-I); STRANDMARK B (STRA-I)

Inventor: IDERUP M; LARSSON A; STRANDMARK B

Number of Countries: 090 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200045311	A1	20000803	WO 2000SE160	A	20000127	200067 B
SE 9900321	A	20000802	SE 99321	A	19990201	200067
AU 200028372	A	20000818	AU 200028372	A	20000127	200067
SE 513613	C2	20001009	SE 99321	A	19990201	200067

Priority Applications (No Type Date): SE 99321 A 19990201

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200045311	A1	E	24	G06F-017/60	
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Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE

SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR

IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

SE 9900321 A G06F-017/60

AU 200028372 A G06F-017/60 Based on patent WO 200045311

SE 513613 C2 G06F-017/60

Abstract (Basic): WO 200045311 A1

NOVELTY - An installation module (28) is executed continuously as a part of operative system (16) or an independent module of computer unit (11) of main device (24), to receive program module (18) and data module (19) wirelessly and automatically for executing the application associated with program module. The data and program modules are transferred automatically to a smart card (25) by the installation module.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for the information exchange device.

USE - For exchange of information between electronic units located in immediate vicinity of each other e.g. mobile telephone, portable computer, PDA, digital camera, ATM devices for **electronic** money transaction, for **payment** of parking fee, **management** of queuing tickets in post office, for remote control of TV video, stereo, audible alarm, heat, ventilation equipments. Also for battery run play devices and for downloading information from boutique into user device for **advertising** at home.

ADVANTAGE - Enables automatic management for exchanging information and program modules and the device leads to decreased memory use and updating or expansion of program modules by the provision of exchangeable smart cards which need not be moved between different devices.

DESCRIPTION OF DRAWING(S) - The figure shows principal block diagram of electric device.

Computer unit (11)

Operative system (16)

Program module (18)

Data module (19)

Main device (24)

Smart card (25)

Installation module (28)

pp; 24 DwgNo 3/3

Title Terms: INFORMATION; EXCHANGE; CLOSE; VICINITY; ELECTRONIC; DEVICE; EXECUTE; INSTALLATION; MODULE; MAIN; DEVICE; COMPUTER; UNIT; CONTINUOUS; WIRELESS; RECEPTION; DATA; PROGRAM; MODULE

Derwent Class: T01; T04; W05

International Patent Class (Main): G06F-017/60

International Patent Class (Additional): G06F-009/00; G06F-013/00

File Segment: EPI

15/5/5 (Item 4 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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013012027 \*\*Image available\*\*

WPI Acc No: 2000-183878/200017

XRPX Acc No: N00-135660

**Electronic credit card payment system is mounted on a cable pole, optionally rotatable about it, in space-saving arrangement**

Patent Assignee: INSIDE CONSULT LUTZ RAINER (INSI-N)

Inventor: LUTZ R.

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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DE 19834862 A1 20000203 DE 1034862 A 19980801 200017 B

Priority Applications (No Type Date): DE 1034862 A 19980801

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
DE 19834862 A1 6 G07F-007/08

Abstract (Basic): DE 19834862 A1

NOVELTY - A mounting unit (2) for the equipment (3) is located on a cable pole (1)

USE - A method of mounting a credit card **payment system** .

ADVANTAGE - The mounting method saves ground space, whilst offering accessibility. The pole carries various utilities, a sheltering hood, lighting and perhaps **advertising** .

DESCRIPTION OF DRAWING(S) - The concept is illustrated by an elevation.

cable pole (1)

mounting unit (2)

equipment (3)

pp; 6 DwgNo 1/4

Title Terms: ELECTRONIC; CREDIT; CARD; PAY; SYSTEM; MOUNT; CABLE; POLE;

OPTION; ROTATING; SPACE; SAVE; ARRANGE

Derwent Class: T05

International Patent Class (Main): G07F-007/08

File Segment: EPI

**15/5/6 (Item 5 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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013010936 \*\*Image available\*\*

WPI Acc No: 2000-182788/200016

Related WPI Acc No: 2000-147871; 2000-147872; 2000-223699

XRFX Acc No: N00-134754

**Public access electronic commerce terminal for use in universal advertising and payment system**

Patent Assignee: USA TECHNOLOGIES INC (USTE-N)

Inventor: KOLLS H B

Number of Countries: 086 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200005670	A1	20000203	WO 99US8577	A	19990419	200016 B
AU 9937514	A	20000214	AU 9937514	A	19990419	200029
EP 1099175	A1	20010516	EP 99919898	A	19990419	200128
			WO 99US8577	A	19990419	

Priority Applications (No Type Date): US 99293358 A 19990416; US 9893475 A 19980720; US 99293129 A 19990416

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200005670 A1 E 78 G06F-017/60

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW

AU 9937514 A G06F-017/60 Based on patent WO 200005670

EP 1099175 A1 E G06F-017/60 Based on patent WO 200005670

Designated States (Regional): AT BE CH DE DK ES FR GB IE IT LI NL PT SE

Abstract (Basic): WO 200005670 A1

NOVELTY - A user-data input device and an information display device are interconnected to a transaction controller (108) for regulating the operation of interconnected vending machines. A telephone interface controller monitors and controls the data communication of the transaction controller. An interactive user response system allows the interactive data communication of a user to local or remote locations.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) a transaction processing method;
- (b) a smart card revaluing method;
- (c) an electronic commerce transaction processing method;
- (d) a goods and services processing method;
- (e) a network system;
- (f) a dynamic identification interchange method;
- (g) a system error tracking method;
- (h) a customer survey information collection;
- (i) a help desk provision;
- (j) a data printing method;
- (k) a post vend transaction data processing;
- (l) a request servicing method;
- (m) and a carrier including a computer program.

USE - For use in universal **advertising** and **payment system** used in operation monitoring and network control of e.g. vending machine, **electronic** commerce, **payment** for goods and services and worldwide **advertising**.

ADVANTAGE - Enables simple and effective universal **advertising** and **payment system** to distribute and display interactive **advertising**, to conduct **electronic** commerce and to control **billing** for use of vending machine. Enables routing and processing of credit card and other types of transaction in an on-line environment. Enables worldwide deployment of terminal through networking.

DESCRIPTION OF DRAWING(S) - The figure shows the example of a public personal computer system.

Transaction controller (108)

pp; 78 DwgNo 4/18

Title Terms: PUBLIC; ACCESS; ELECTRONIC; TERMINAL; UNIVERSAL; **ADVERTISE** ;  
PAY; SYSTEM

Derwent Class: T01; T05

International Patent Class (Main): G06F-017/60

File Segment: EPI

15/5/7 (Item 6 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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012908283 \*\*Image available\*\*

WPI Acc No: 2000-080119/200007

XRPX Acc No: N00-063384

**Electronic billing system installed in shops - stores predetermined provision information and performs additional printing of selected provision to produce receipt**

Patent Assignee: TOKYO ELECTRIC CO LTD (TODK )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11328538	A	19991130	JP 98138210	A	19980520	200007 B

Priority Applications (No Type Date): JP 98138210 A 19980520

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

JP 11328538 A 8 G07G-001/12

Abstract (Basic): JP 11328538 A

NOVELTY - A memory (4) stores predetermined provision information. A selection unit selects a portion of provision information from the memory. A printer (12) performs additional printing of the selected provision and a receipt is produced.

USE - The electronic binning system is installed in post office, store, convenience store, supermarket, etc.

ADVANTAGE - Performs effective **advertisement** by printing information which customer needs such as receipt, without the use of pamphlet, poster, etc. DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of principal components of window processing apparatus.

(4) Memory; (12) Printer.

Dwg.1/9

Title Terms: ELECTRONIC; BILL; SYSTEM; INSTALLATION; SHOP; STORAGE; PREDETERMINED; PROVISION; INFORMATION; PERFORMANCE; ADD; PRINT; SELECT; PROVISION; PRODUCE; RECEIPT

Derwent Class: T01; T05

International Patent Class (Main): G07G-001/12

International Patent Class (Additional): G06F-017/60

File Segment: EPI

15/5/8 (Item 7 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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012840214 \*\*Image available\*\*

WPI Acc No: 2000-012046/200001

XRPX Acc No: N00-009279

**Automated vehicle dispatch and payment honoring computer system**

Patent Assignee: PAREDES A (PARE-I)

Inventor: PAREDES A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5973619	A	19991026	US 97872084	A	19970610	200001 B

Priority Applications (No Type Date): US 97872084 A 19970610

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5973619	A		10	G08G-001/123	

Abstract (Basic): US 5973619 A

NOVELTY - A list of selectable transport companies is displayed. The consumer is prompted to insert the amount of passengers to be traveling in the transportation vehicle. Destination locations are graphically illustrated. The approximate fare for the number of passengers promoted to a selected destination and types of payment options honored by the selected company are displayed. A dispatch call for an available taxi from the selected company is initiated and the approximate arrival time is estimated.

USE - For delivering instruction messages to the consumer regarding private transportation companies and estimated costs for hiring them to transport the consumer to listed destinations.

ADVANTAGE - Keeps customers more informed. Displays all permitted taxi companies at a glance. Provides additional information on prospective destinations. Improves driver safety. Improves traffic congestion. Increases customer safety. Promotes taxi industry and commerce. Improves services to foreign customers. Allows taxi companies to better target their **advertisement** to their prospective customers. Enables taxi companies to secure corporate or personal service accounts. Gives local merchants another means to prospective customers.

Provides for more Civic Directories. Increases parking revenue by reinstating metered parking stalls. Reduces the parking demand at a facility. Reduces the risk of taxi fare pirating. Increases dispatcher's efficiency.

DESCRIPTION OF DRAWING(S) - The figure shows a flowchart of the vehicle request, or 'Taxilink' software, as executed by the computer and hardware components of the vehicle dispatch and **payment** honoring system .

pp; 10 DwgNo 1/3

Title Terms: AUTOMATIC; VEHICLE; DISPATCH; PAY; COMPUTER; SYSTEM

Derwent Class: T01; T05; T07; W01

International Patent Class (Main): G08G-001/123

File Segment: EPI

15/5/9 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012509693 \*\*Image available\*\*

WPI Acc No: 1999-315798/199927

XRPX Acc No: N99-236100

**Automated** billing system for television advertising

Patent Assignee: CALIFORNIA INST OF TECHNOLOGY (CALY )

Inventor: DICKSON J; EMERSON K; GOODMAN R M

Number of Countries: 003 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2331880	A	19990602	GB 9825788	A	19981126	199927 B
CA 2254463	A1	19990526	CA 2254463	A	19981125	199946
GB 2331880	B	20000426	GB 9825788	A	19981126	200023
US 6173271	B1	20010109	US 97979838	A	19971126	200104

Priority Applications (No Type Date): US 97979838 A 19971126

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2331880	A		49	H04H-009/00	
CA 2254463	A1 E			H04N-005/222	
GB 2331880	B			H04H-009/00	
US 6173271	B1			G06F-017/60	

Abstract (Basic): GB 2331880 A

NOVELTY - An **advertisement** is marked with a code containing encoded information on an **advertiser** 's account, name of tape, data produced, last date to be used, copyright information. The information is included on the tape transmitted over a channel. It is placed in a vertical blanking interval. The code is sensed and verified for security. Billing information is obtained from the code.

USE - To provide **advertiser** exact accounting of when commercial was aired and for television station to determine real percentage of scheduling anomalies.

ADVANTAGE - Pays for commercial on real time basis, unambiguous identification of subject matter as commercials are marked, enhanced security using cryptographic system to prevent tampering or faking.

DESCRIPTION OF DRAWING(S) - Block diagram of overall system.

encoder (104)

**advertising** media (106)

television station (140)

receiver (144)

billing computer (162)

pp; 49 DwgNo 1b/9

Title Terms: AUTOMATIC; BILL; SYSTEM; TELEVISION; **ADVERTISE**

Derwent Class: T01; W02; W04

International Patent Class (Main): H04H-009/00; H04N-005/222  
International Patent Class (Additional): G06F-017/60; ANH0-4B017/00;  
BF-H04H007/04; BO-H04H009/00; AF-H04N005/222; AGH-04N007/00  
File Segment: EPI

15/5/10 (Item 9 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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012438411 \*\*Image available\*\*  
WPI Acc No: 1999-244519/199920  
XRPX Acc No: N99-181970

**Designing responses for electronic billing system**  
Patent Assignee: MICROSOFT CORP (MICR-N)  
Inventor: CAMPBELL H; DENT W T; REMINGTON D B; SALIBA B; WEBB G  
Number of Countries: 020 Number of Patents: 001  
Patent Family:  
Patent No Kind Date Applicat No Kind Date Week  
WO 9915999 A1 19990401 WO 98US15655 A 19980728 199920 B

Priority Applications (No Type Date): US 97936235 A 19970924  
Patent Details:  
Patent No Kind Lan Pg Main IPC Filing Notes  
WO 9915999 A1 E 41 G06F-017/60  
Designated States (National): CN JP  
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU  
MC NL PT SE

Abstract (Basic): WO 9915999 A1  
NOVELTY - After a customer has reviewed a bill, a decision is made to pay electronically and the remittance portion (40) is returned to the appropriate billing person via the response routing sub-component of the response management system. The customer may also choose to respond to an offer, **advertisement** or other insert in the **billing statement**, I.e. register for a vacation package. The customer would complete the online registration form and the response (42) would be directed either to the billing person or a third party (44)  
DETAILED DESCRIPTION - Independent claims are included for a biller integral **system**, for a **billing statement** response designer, for a response selection rules manager and for a computer program  
USE - Designing responses to **electronic billing statements**  
ADVANTAGE - Smooth integration of **system** with entrenched **accounting system** to eliminate requirement to change traditional practices  
DESCRIPTION OF DRAWING(S) - The drawing is a diagram illustrative of **electronic** bill presentation and **payment system**  
Remittance portion (40)  
Response (42)  
Third party (44)  
pp; 41 DwgNo 1/6  
Title Terms: DESIGN; RESPOND; ELECTRONIC; BILL; SYSTEM  
Derwent Class: T01; T05; W01  
International Patent Class (Main): G06F-017/60  
File Segment: EPI

15/5/11 (Item 10 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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012192947 \*\*Image available\*\*  
WPI Acc No: 1998-609860/199851

XRPX Acc No: N98-474449

**Computer implemented information exchange and management system for network operation - includes iterative database query engine that is connected to memory and processing controller to permit initial search and subsequent search**

Patent Assignee: TMP WORLDWIDE INC (TMPW-N)

Inventor: TAYLOR J C

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5832497	A	19981103	US 95513248	A	19950810	199851 B

Priority Applications (No Type Date): US 95513248 A 19950810

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5832497	A		6 G06F-017/30	

Abstract (Basic): US 5832497 A

The system includes database (105) of personal information which is stored in electronically readable memory. Another database (103) of position information is stored in electronically readable memory. The database (103) is the job database containing several job records with search key fields. The database (105) is a resume database comprised by several records containing information suitable for employment applications. A communication port (102) transmits and receives data and instructions in the form of electrical signals to and from the remote computers.

A database manager creates and revise records of the databases connected to the memory, in response to remote computer. An iterative database query engine (106) is connected to the memory and is configured to permit an initial search and one subsequent search. The subsequent search is performed on results of the initial search. The iterative database query engine includes searching unit for searching on several search key fields of database for satisfying one or more conditions. A reporting unit for reporting all variables in search key fields of record for satisfying one or more conditions, is provided. A processing controller (101) is connected to the database manager, iterative database query engine and the communication port. A relating unit relates the record of the database (105) to record of **database** (103). An **accounting system** (107) is connected to the processing controller.

USE - For posting job **advertisement** and managing application and submission of resumes, application letter and other relevant information.

ADVANTAGE - Facilitates creation of resume record and designation of resume record for accessible resume base or selected job record and permits query of resume base to identify recruitment candidates for job positions. Eases interaction and permits rapid response.

Dwg.1/1

Title Terms: COMPUTER; IMPLEMENT; INFORMATION; EXCHANGE; MANAGEMENT; SYSTEM ; NETWORK; OPERATE; ITERATIVE; DATABASE; QUERY; ENGINE; CONNECT; MEMORY; PROCESS; CONTROL; PERMIT; INITIAL; SEARCH; SUBSEQUENT; SEARCH

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

15/5/12 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012139190 \*\*Image available\*\*

WPI Acc No: 1998-556102/199847



Related WPI Acc No: 1998-609006

XRPX Acc No: N98-433496

**Computer controlled collator apparatus for bulk mail processing system - has controller connected to computer with database storing number and length of sheets in billing statement, which monitors sheet input, collation, sensing and removal operations**

Patent Assignee: INT BILLING SERVICES INC (ITBI-N)

Inventor: FAGAN M J; FEHRINGER R L; PRESTON C E; SALDANA D M; TAMMI C E

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5816773	A	19981006	US 96588714	A	19960119	199847 B

Priority Applications (No Type Date): US 96588714 A 19960119

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5816773	A		13	B65G-057/00	

Abstract (Basic): US 5816773 A

The apparatus (10) has an input unit for delivering sheets of equal or variable length, to a collating tray (12). The sheets of the **billing statement**, which one of equal or variable lengths are collated by a stopper (26) having a pair of punch rollers in the collating tray.

A sensor monitors the delivery of the sheets of the **billing statement** within the tray. A **database** stores the number of sheets in the **billing statement** and the corresponding length value. A controller that is connected with the database monitors the input, collation, removal and sensing operations.

USE - For periodic billing operations and mass **advertising**.

ADVANTAGE - Prevents system shutdown due to downstream jamming during folding and envelope insertion operation caused by incorrect collation of sheets.

Dwg.1,3/6

Title Terms: COMPUTER; CONTROL; COLLATE; APPARATUS; BULK; MAIL; PROCESS; SYSTEM; CONTROL; CONNECT; COMPUTER; DATABASE; STORAGE; NUMBER; LENGTH; SHEET; BILL; STATEMENT; MONITOR; SHEET; INPUT; COLLATE; SENSE; REMOVE; OPERATE

Derwent Class: Q35; T01; T05; X25

International Patent Class (Main): B65G-057/00

File Segment: EPI; EngPI

15/5/13 (Item 12 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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008373437 \*\*Image available\*\*

WPI Acc No: 1990-260438/199034

XRPX Acc No: N90-201722

**Automated order and payment system e.g. for customer transactions - has central computer system with storage and processing capability prod.-service ID system and order terminal**

Patent Assignee: GOROG J M (GORO-I); VISA INT SERVICE ASSOC (VISA-N); VISA INT INC (VISA-N); ARBOR INT INC (ARBO-N); US ORDER INC (USOR-N)

Inventor: GOROG J M

Number of Countries: 016 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4947028	A	19900807	US 88221536	A	19880719	199034 B
EP 446500	A	19910918	EP 90302004	A	19900226	199138 N
CA 2010846	A	19910823				199145 N
US 4947028	B	19930608	US 88221536	A	19880719	199324

CA 2010846	C	19951031	CA 2010846	A	19900223	199603	N
EP 446500	B1	19990414	EP 90302004	A	19900226	199919	N
DE 69033053	E	19990520	DE 633053	A	19900226	199926	N
			EP 90302004	A	19900226		

Priority Applications (No Type Date): US 88221536 A 19880719; EP 90302004 A 19900226; DE 633053 A 19900226

Cited Patents: 2.Jnl.Ref; US 4567359

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 4947028	A		11		
EP 446500	A		11	G06F-015/24	
Designated States (Regional): AT BE CH DE ES FR GB GR IT LI LU NL SE					
US 4947028	B		3	G06F-007/08	
EP 446500	B1	E		G06F-017/60	
Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LI LU NL SE					
DE 69033053	E			G06F-017/60	Based on patent EP 446500
CA 2010846	C			G06F-017/60	

Abstract (Basic): US 4947028 A

The system has remote programmable data input/output device adapted to optically scan identification code information. It is further adapted to accept credit card a information obtained from the stored data on credits cards. A communication device is provided which is integral to the remote programmable data input/output. A memory is integral to such remote programmable data input/output and communication e device that allows the storage of computer programs and information derived from printed or transmitted identification code information that has been optically scanned.

A central data processing unit is provided with communications capability adapted to receive information from a plurality of remote programmable data input/output devices. An additional communication device allows the remote data processing unit to communicate with external data bases for credit authorization and product/service ordering purposes.

ADVANTAGE - Fast, efficient. (11pp Dwg.No.1/7)

Title Terms: AUTOMATIC; ORDER; PAY; SYSTEM; CUSTOMER; TRANSACTION; CENTRAL; COMPUTER; SYSTEM; STORAGE; PROCESS; CAPABLE; PRODUCT; SERVICE; ID; SYSTEM ; ORDER; TERMINAL

Derwent Class: T01

International Patent Class (Main): G06F-007/08; G06F-015/24; G06F-017/60

International Patent Class (Additional): G06F-001/08; G06F-007/00; G07G-001/00

20/5/1 (Item 1 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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013556444 \*\*Image available\*\*  
WPI Acc No: 2001-040651/200105  
XRPX Acc No: N01-030316

**Invoicing advertising process for cable television industry, comprises broker platform which receives invoice information and automatically prepares consolidated invoice and forwards to advertiser**

Patent Assignee: VIDEO NETWORKS INC (VIDE-N)

Inventor: FABIANO L J

Number of Countries: 003 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200051335	A2	20000831	WO 2000US4817	A	20000225	200105 B

Priority Applications (No Type Date): US 99122136 A 19990226

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200051335	A2	E	126	H04N-000/00	

Designated States (National): CA MX US

Abstract (Basic): WO 200051335 A2

NOVELTY - Process comprises providing a broker platform adapted to communicate with at least one **advertising** representative and at least one presentation entity. The broker platform receives invoice information from various presentation entities and organizes invoice information into categories and automatically prepares a consolidated invoice and forwards the consolidated invoice to the **advertiser** .

DETAILED DESCRIPTION - The receiving of invoice information comprises receiving the identity of a commercial aired, when the commercial aired, and what **advertiser** is associated with the commercial. Organizing invoice information comprises comparing the aired time and date to a contracted time and date for determining the billable fee for airing the commercial. Organizing the invoice information further comprises extracting and transforming the relevant information from the invoice information into a common document model and storing the transformed information from the common document model in a database and retrieving information from the database and outputting some of the information in the invoice for forwarding to the **advertiser** .

An INDEPENDENT CLAIM is also included for a **system** for **invoicing advertising** comprising a broker platform adapted to communicate with at least one **advertising** representative and at least one presentation entity.

USE - For providing inventory **management** , video distribution and **billing** presentment for the cable television industry, including the television, internet on home server/network, computer or set top box, wireless media such as hand phones, personal digital assistants, pagers, simple messaging systems.

ADVANTAGE - Can use a common document model so that information **combined** with metainformation, may be used intelligently, efficiently and effectively for various purposes, by various entities running a variety of proprietary on nonproprietary systems, to accomplish communications, negotiation, and content distribution.

DESCRIPTION OF DRAWING(S) - The figure shows a functional block diagram of an information management system.

pp; 126 DwgNo 2/7

Title Terms: INVOICING; **ADVERTISE** ; PROCESS; CABLE; TELEVISION; INDUSTRIAL ; COMPRISE; PLATFORM; RECEIVE; INVOICING; INFORMATION; AUTOMATIC;

PREPARATION; CONSOLIDATE; INVOICING; FORWARD

Derwent Class: T01; W02; W05

23/5/1 (Item 1 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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013532098 \*\*Image available\*\*  
WPI Acc No: 2001-016304/200102  
Related WPI Acc No: 2000-540469; 2000-626319  
XRPX Acc No: N01-012287

**Fully automated vehicle rental system has sensors to continuously monitor odometer reading and fuel tank level for storage in memory recorded with vehicle identifier code**

Patent Assignee: ID SYSTEMS INC (IDSY-N)  
Inventor: EHRMAN K S; EHRMAN M L; JAGID J M; LOOSMORE N B  
Number of Countries: 092 Number of Patents: 002  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200070530	A1	20001123	WO 2000US13800	A	20000519	200102 B
AU 200055880	A	20001205	AU 200055880	A	20000519	200113

Priority Applications (No Type Date): US 99315071 A 19990519

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200070530	A1	E	26	G06F-019/00	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY CA CH  
CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE  
KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO  
RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

AU 200055880 A G06F-019/00 Based on patent WO 200070530

Abstract (Basic): WO 200070530 A1

NOVELTY - Respective sensors (30,31) monitor odometer readings and fuel tank level continuously. The detected odometer readings and the fuel tank level are transmitted for storage in a memory recorded with a vehicle identifier code. When the rental vehicle is returned, a transmitter (14) forwards the stored data in the memory to a database collection system to calculate the rental charges.

USE - In vehicle rental, return and billing system.

ADVANTAGE - Enables to monitor odometer reading and fuel tank level continuously. Transmits accurate, updated odometer reading and fuel tank level to control **database** to facilitate accurate **billing**. Updates location of vehicle constantly in a central **tracking** and a **billing database**. Provides security on removal and return of vehicles. Eliminates need for physical inspection. Avoids wastage of man power in estimating fuel level and meter readings. Avoids human errors in calculation.

DESCRIPTION OF DRAWING(S) - The figure shows the perspective view of rental automobile.

Transmitter (14)

Sensors (30,31)

pp; 26 DwgNo 1/4

Title Terms: AUTOMATIC; VEHICLE; RENT; SYSTEM; SENSE; CONTINUOUS; MONITOR; ODOMETER; READ; FUEL; TANK; LEVEL; STORAGE; MEMORY; RECORD; VEHICLE; IDENTIFY; CODE

Derwent Class: T01; T07; W05; X22

International Patent Class (Main): G06F-019/00

International Patent Class (Additional): G08B-005/22; G08G-001/01

File Segment: EPI

23/5/2 (Item 2 from file: 350)  
DIALOG(R) File 350:Derwent WPIX

012702827      \*\*Image available\*\*

WPI Acc No: 1999-508938/199942

XRPX Acc No: N99-379248

**Bill to billed party preparing and electronically delivering, in which selected secured billing information is stored on billed party's computer**

Patent Assignee: TRISENSE SOFTWARE LTD (TRIS-N); LAMM D (LAMM-I)

Inventor: LAMM D

Number of Countries: 082    Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9942944	A1	19990826	WO 99US3496	A	19990218	199942 B
AU 9917364	A	19990902	AU 9917364	A	19990217	199948
AU 9927723	A	19990906	AU 9927723	A	19990213	200003
US 6078907	A	20000620	US 9825168	A	19980218	200035

Priority Applications (No Type Date): US 9825168 A 19980218

Patent Details:

Patent No    Kind    Lan    Pg    Main    IPC    Filing Notes

WO 9942944    A1    E    48    G06F-157:00

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

AU 9917364    A    G06F-017/60

AU 9927723    A    G06F-157:00    Based on patent WO 9942944

US 6078907    A    G06F-157/00

Abstract (Basic): WO 9942944 A1

NOVELTY - An electronic bill file including the selected secured billing information is received from a billing party. A redacted bill file is prepared from the electronic bill file by redacting the selected secured billing information. The redacted bill file is electronically sent to the billed party. A reconstructed bill is prepared and outputted at the billed party's computer by inserting the selected secured billing information into the redacted bill file.

DETAILED DESCRIPTION - The computer system (26) may consist of a processor computer (20) with processor software (22), a billing party legacy computer (24), and a connection (30) between the billing party legacy computer (24) and the processor computer (20). The communication path (30) may be a direct dial connection, a LAN/WAN connection, or another suitable telecommunications path. An INDEPENDENT CLAIM is included for: a system for preparing and **electronically** delivering a bill from a **billing** party with a computer system to a billed party with billing information being stored on the billed party's computer system.

USE - In computerized methods and systems for presenting and paying bills implemented in computer hardware and software.

ADVANTAGE - Easy to use, fast, secure, private, and that fits well with existing processing centers and **electronic** **billing** formats. The system should replace the use of existing paper **bills** and **checks** to reduce the printing, processing, and postage costs of paper billing. The system should be able to send and receive billing and payment information over the Internet or phone lines with little exposure to security or privacy risks.

DESCRIPTION OF DRAWING(S) - The drawing is a block diagram of the **electronic** **bill** **payment** according to the present invention.

**electronic** **payment** system (10)  
consumer computer (12)

consumer software (14)  
electronic post office server (16)  
billing messages (18)  
payment instruction messages (19)  
enrollment server (21)  
processor software (22)  
biller database (23)  
billing party legacy computer (24)  
enrollment database (25)  
billing/processor computer system (26)  
communication path (28)  
connection (30)  
pp; 48 DwgNo 1/7

Title Terms: BILL; BILL; PARTY; PREPARATION; ELECTRONIC; DELIVER; SELECT;  
SECURE; BILL; INFORMATION; STORAGE; BILL; PARTY; COMPUTER  
Derwent Class: T01; T05; W01  
International Patent Class (Main): G06F-017/60; G06F-157/00; G06F-157-00  
International Patent Class (Additional): G06F-017/00  
File Segment: EPI

23/5/3 (Item 3 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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012602984 \*\*Image available\*\*  
WPI Acc No: 1999-409088/199935  
XRPX Acc No: N99-305463

Electronic billing system of business establishments - compares input  
data of displayed bill with item comparison table that stores correlation  
information for confirming correctness of input data followed by  
assigning new bill number

Patent Assignee: HONDA MOTOR CO LTD (HOND )  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11161396	A	19990618	JP 919280	A	19910129	199935 B
			JP 98277617	A	19910129	

Priority Applications (No Type Date): JP 919280 A 19910129; JP 98277617 A  
19910129

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 11161396	A		26	G06F-003/00	Div ex application JP 919280

Abstract (Basic): JP 11161396 A

NOVELTY - An item comparison table of processing terminal (20)  
stores correlation information of input items of several bills stored  
in a host (10). When a particular bill is chosen and displayed, the  
correctness of input data related to items of bill is checked by  
referring to item comparison table. A new bill number is assigned to  
the displayed bill after confirming the correctness of input data.

USE - In business establishments.

ADVANTAGE - Enables reliable bill production as the bill data is  
confirmed with item comparison table before reaching final stage of  
production. Enables simple bill production that even unfamiliar server  
can perform the process. DESCRIPTION OF DRAWING(S) - The figure is a  
block diagram of the billing system. (10) Host; (20) Processing  
terminal.

Dwg.1/39

Title Terms: ELECTRONIC; BILL; SYSTEM; BUSINESS; ESTABLISH; COMPARE; INPUT;  
DATA; DISPLAY; BILL; ITEM; COMPARE; TABLE; STORAGE; CORRELATE;  
INFORMATION; CONFIRM; CORRECT; INPUT; DATA; FOLLOW; ASSIGN; NEW; BILL;

NUMBER

Derwent Class: T01  
International Patent Class (Main): G06F-003/00  
International Patent Class (Additional): G06F-019/00  
File Segment: EPI

23/5/4 (Item 4 from file: 350)

DIALOG(R) File 350:Derwent WPIX  
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012530742 \*\*Image available\*\*  
WPI Acc No: 1999-336848/199928  
XRPX Acc No: N99-252405

**User interface for personal online banking system**

Patent Assignee: INTUIT INC (INTU-N)  
Inventor: ALTEKRUSE C A; BHATT P; SCHRADER J A  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5903881	A	19990511	US 97869580	A	19970605	199928 B

Priority Applications (No Type Date): US 97869580 A 19970605

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5903881	A	27	G06F-017/60	

Abstract (Basic): US 5903881 A

NOVELTY - The processor operates in conformation with the received transaction instruction information (169) from a financial institution and updates first and second account balance of a user selected account in response to new uncleared transaction displayed in a mini-checkbook (181) and displays the updated account balance concurrently as an online statement (150) in the display.

DETAILED DESCRIPTION - The display of the user interface (140) is separated into three display areas and the first display area the outbox (167) contains the list of transaction instruction selected for the user account. The transaction instruction for the selected account number is transferred to the processor and is removed from the first display area and is displayed together with the uncleared transaction list (180) in a second display area which is the mini-checkbook.

The cleaning of the uncleared transaction of the selected account number by the financial institution after a data (174) of last cleared transaction is received and is then removed from the second display area and is displayed in the cleared transaction list concurrently in a third display area which is fitted online statement.

INDEPENDENT CLAIMS are also included for the following:

(a) computer implementation method for integrating multiple diverse transaction into a single account of a user held by a financial institution;

(b) computer readable memory having computer program executable by a processor for producing a user interface of an online banding system.

USE - For integrating key banking tasks and information requirements to perform variety of useful transactions in a bank, a clearing house, an **electronic** transaction institution, vendors, merchants, **billing** agencies, brokerages, insurance companies etc.

ADVANTAGE - The integration and simultaneous presentation of three different types of transactions and two account balances in a single user interface presents a complete view of both financial institution data and customer data in one screen. The integrated user interface increases ease of use and reduces both the time taken to perform account management and bill payment. The transactor type interface provides efficient and quick accessing of bill payments and avoids over

drafts without having to navigate to multiple user interfaces or engage in multiple time consuming tasks. By including mini-checkbook with the online statement, limitations in existing bank centric software products such as the inability to store uncleared transactions entered by the user or to integrate uncleared transaction with the cleared transaction to provide a running balance is overcome. Enhances the integration of account information by providing two distinct account balances for the user. Provides user with a complete view of the user selected account and allows for integration of account management, bill payment, checkbook transactions and balance determination all through a single user display and thereby facilitates the user to see the status of all his/her banking activities with a single glance. The user interface of online banking system supports E-mail based messaging from users to their financial institution or others.

DESCRIPTION OF DRAWING(S) - The figure is an illustration of user interface for online banking systems.

User interface (140)  
Online statement (150)  
Outbox (167)  
Transaction instruction information (169)  
Uncleared transaction list (180)  
Mini-checkbook (181)  
pp; 27 DwgNo 7/17

Title Terms: USER; INTERFACE; PERSON; BANK; SYSTEM  
Derwent Class: T01; T05; W01  
International Patent Class (Main): G06F-017/60  
International Patent Class (Additional): G06F-019/00  
File Segment: EPI

23/5/5 (Item 5 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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012384197 \*\*Image available\*\*  
WPI Acc No: 1999-190304/199916  
Related WPI Acc No: 1998-298184  
XRPX Acc No: N99-139209

**Computer operating system for remote user capable of sending/receiving signals via communication network**

Patent Assignee: INERGY ONLINE INC (INER-N)  
Inventor: BELANGER C E  
Number of Countries: 081 Number of Patents: 002  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9909658	A2	19990225	WO 98US16894	A	19980814	199916 B
AU 9891050	A	19990308	AU 9891050	A	19980814	199929

Priority Applications (No Type Date): US 97971002 A 19971114; US 9755782 A 19970815; US 9757256 A 19970829; US 9760612 A 19971001; US 9765416 A 19971113; US 97970894 A 19971113

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9909658	A2	E	78	H04B-000/00	
Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW					
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW					
AU 9891050	A			H04B-000/00	Based on patent WO 9909658

Abstract (Basic): WO 9909658 A2



NOVELTY - The OS includes a device recognition module of a first server for determining a type of user device, so that the communications module sends and receives signals in a format selected for the user device.

DETAILED DESCRIPTION - A new user may register for access to one or more of the applications on the operating system's suite of desktop applications, including such programs as a word processor, e-mail, chat, web-authoring software, a contact manager, a personal information manager (PIM), spreadsheet software, voice-to-text and text-to-voice software, financial management software (including **electronic checkbook** and **bill payment**), personal and corporate bookkeeping, data management, desktop publishing, desktop (or WEB TOP) administration, meeting manager/scheduler, etc., all of which may reside on the server. These applications may be written in any programming language, such as JAVA, PURL, CI scripts, C, C++, LISP, or the like.

An INDEPENDENT CLAIM is included for:

(a) a method of providing computer operating system

USE - The invention is a computer operating system

ADVANTAGE - The invention allows a communications device-enabled user to run a number of computer applications, independent of the non-communications characteristics of the communications device.

DESCRIPTION OF DRAWING(S) - The drawing shows functional relationship of components of disclosed system.

pp; 78 DwgNo 5/36

Title Terms: COMPUTER; OPERATE; SYSTEM; REMOTE; USER; CAPABLE; SEND;

RECEIVE; SIGNAL; COMMUNICATE; NETWORK

Derwent Class: T01; W01

International Patent Class (Main): H04B-000/00

File Segment: EPI

23/5/6 (Item 6 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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011550308 \*\*Image available\*\*

WPI Acc No: 1997-526789/199748

XRPX Acc No: N97-438981

**Electronic data transfer method especially between remote locations - earmarking sender data so that service provider can track data files and charge sender or recipient according to any additional value-added services, such as proofing, archiving, encryption or compression**

Patent Assignee: NETCO COMMUNICATIONS CORP (NETC-N); WAM!NET INC (WAMN-N)

Inventor: DRISCOLL E J; KATH G A; PETERSEN R A; WITTERS A L

Number of Countries: 061 Number of Patents: 010

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9739549	A2	19971023	WO 97US6073	A	19970411	199748 B
AU 9729221	A	19971107	AU 9729221	A	19970411	199809
NO 9705835	A	19980130	WO 97US6073	A	19970411	199815
			NO 975835	A	19971211	
WO 9739549	A3	19971211	WO 97US6073	A	19970411	199816
EP 879521	A2	19981125	EP 97923409	A	19970411	199851
			WO 97US6073	A	19970411	
NZ 329369	A	19981028	NZ 329369	A	19970411	199901
			WO 97US6073	A	19970411	
CN 1194747	A	19980930	CN 97190574	A	19970411	199907
JP 11508116	W	19990713	JP 97537246	A	19970411	199938
			WO 97US6073	A	19970411	
BR 9702145	A	20000118	BR 972145	A	19970411	200021
			WO 97US6073	A	19970411	
US 6044405	A	20000328	US 96631540	A	19960412	200023

Priority Applications (No Type Date): US 96631540 A 19960412  
Cited Patents: 2.Jnl.Ref; EP 395428; EP 614291; JP 5268216; US 4902881; US 5508817; No-SR.Pub

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9739549	A2	E	28	H04L-000/00	
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Designated States (National): AM AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB GE HU JP KE KG KP KZ LK LT LU LV MD MG MN MW NO NZ PL PT RO RU SD SE SI SK TJ TT UA UZ VN

Designated States (Regional): AT BE CH DE DK ES FI FR GB GH GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG

BR 9702145	A			H04L-012/66	Based on patent WO 9739549
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AU 9729221	A			H04L-013/00	Based on patent WO 9739549
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EP 879521	A2	E		H04L-012/58	Based on patent WO 9739549
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Designated States (Regional): AL AT BE CH DE DK ES FI FR GB GR IE IT LI LT LU LV MC NL PT SE SI

NZ 329369	A			H04L-012/14	Based on patent WO 9739549
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JP 11508116	W		37	H04L-012/14	Based on patent WO 9739549
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US 6044405	A			G06F-013/00	
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NO 9705835	A			H04L-000/00	
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WO 9739549	A3			H04L-000/00	
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CN 1194747	A			H04L-012/58	
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Abstract (Basic): WO 9739549 A

The method involves a network (10) of network hubs (12) in e.g. different cities, which are connected to each other via a high speed electronic transmission pathway (14), with senders or recipients (16), dedicated electronic transmission pathway (18) and network access device (20). A document is loaded onto the sender computer (16) and sent to hub (12).

An **electronic invoice** is created and linked operationally to the document, and contains unique identification indices and a characteristic attribute associated with it or its transmission. The document is then e.g. encrypted and routed for transmission via connections (14), with e.g. decompression at a secondary network hub before the document is transported to the recipient.

USE - E.g. for computer-based data transmission networks particularly for a provider-operated data shipping service transmitting large data blocks for customers at high speeds between geographically remote locations.

Dwg.1/8

Title Terms: ELECTRONIC; DATA; TRANSFER; METHOD; REMOTE; LOCATE; SEND; DATA ; SO; SERVICE; CAN; TRACK; DATA; FILE; CHARGE; SEND; RECIPIENT; ACCORD; ADD; VALUE; ADD; SERVICE; PROOF; ENCRYPTION; COMPRESS

Derwent Class: T01; W01

International Patent Class (Main): G06F-013/00; H04L-000/00; H04L-012/14; H04L-012/58; H04L-012/66; H04L-013/00

International Patent Class (Additional): H04L-012/54

File Segment: EPI

23/5/7 (Item 7 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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010455240 \*\*Image available\*\*

WPI Acc No: 1995-356559/199546

Registration data processor for electronic POS register - has

registration data processor processing bills if due dates lie within

extension period fixed by enterprise, even when bill exceeds payment term

Patent Assignee: TOKYO ELECTRIC CO LTD (TODK )

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 7244693	A	19950919	JP 9434536	A	19940304	199546	B
JP 3051633	B2	20000612	JP 9434536	A	19940304	200032	

Priority Applications (No Type Date): JP 9434536 A 19940304

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 7244693	A		8	G06F-017/60	
JP 3051633	B2		8	G06F-017/60	Previous Publ. patent JP 7244693

Abstract (Basic): JP 7244693 A

The processor (1) includes a CPU (9), ROM (10) and RAM (11). The enterprise has standard ways to fix an additional extension period for payment of the bill. The extension period fixed by the enterprise is stored in RAM. A data entry unit (12) gathers information about the bill released by the enterprise when the goods are sold. A data entry date detector provides information concerning the date of issue of the bill.

A payment term check detector analyses whether the payment has exceeded its due date. The registration data processor processes the data based on the result from the payment term check measure. Processing is forbidden if the bill has exceeded the payment due. An additional grace period is taken into consideration and second term checking is done when the present date has exceeded, and is within, the second check period. The bill is then processed.

USE/ADVANTAGE - For electronic cash register. Improves work efficiency by minimising sales clerks receipt processing workload.

Dwg.1/8

Title Terms: REGISTER; DATA; PROCESSOR; ELECTRONIC; POS; REGISTER; REGISTER ; DATA; PROCESSOR; PROCESS; BILL; DATE; LIE; EXTEND; PERIOD; FIX; EVEN; BILL; PAY; TERM

Index Terms/Additional Words: POINT; OF; SALE

Derwent Class: T01; T05

International Patent Class (Main): G06F-017/60

International Patent Class (Additional): G07G-001/12

File Segment: EPI

23/5/8 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010445103 \*\*Image available\*\*

WPI Acc No: 1995-346420/199545

XRPX Acc No: N95-259040

Local database updating from central call rating database - using local unit calling central rate provider data base at defined time and receiving any required updates in return along with time of next call required

Patent Assignee: RATES TECHNOLOGY INC (RATE-N)

Inventor: LEE R C; WEINBERGER G J

Number of Countries: 023 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 676888	A1	19951011	EP 95301697	A	19950313	199545	B
AU 9514896	A	19951012	AU 9514896	A	19950316	199548	
JP 7297953	A	19951110	JP 9578638	A	19950404	199603	
CA 2143256	A	19951005	CA 2143256	A	19950223	199605	
US 5519769	A	19960521	US 94223082	A	19940404	199626	
ZA 9502722	A	19960529	ZA 952722	A	19950403	199628	
CA 2143256	C	19990105	CA 2143256	A	19950223	199912	
AU 9936786	A	19990819	AU 9514896	A	19950316	199945	

AU 9936786 A 19990625  
MX 189970 B 19981005 MX 951346 A 19950314 200042

Priority Applications (No Type Date): US 94223082 A 19940404

Cited Patents: EP 230283; GB 2128451; WO 8702208; WO 8807797; WO 9211725

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 676888 A1 E 15 H04M-017/02

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC  
NL PT SE

AU 9514896 A H04M-015/00

JP 7297953 A 10 H04M-015/00

CA 2143256 A H04M-015/00

US 5519769 A 13 H04M-015/00

ZA 9502722 A 40 H04M-000/00

CA 2143256 C H04M-015/00

AU 9936786 A G06F-017/30 Div ex application AU 9514896

MX 189970 B H04M-015/000

Abstract (Basic): EP 676888 A

The telephone network includes a method of maintaining up-to-date call rate parameters at local payphones. The system has a number of local pay telephones (14) which may have a card slot (14) for a debit card (18). The telephone is connected to a local central office (22) and through a switched network (24) to a central call rate provider (30).

The local payphone places a call to the call rate provider at a defined time. The call rate provider holds billing parameters for many remote units. The date and time of the last **database** update is **checked** and new **billing** parameters, if required, and next time to call are downloaded. Pref., the call to the call rate provider is completed via a modem.

ADVANTAGE - Allows the remote **billing** parameter **databases** to be kept up to date in convenient manner. Least cost call routing.

Dwg.2/8

Title Terms: LOCAL; DATABASE; UPDATE; CENTRAL; CALL; RATING; DATABASE;  
LOCAL; UNIT; CALL; CENTRAL; RATE; DATA; BASE; DEFINE; TIME; RECEIVE;  
REQUIRE; UPDATE; RETURN; TIME; CALL; REQUIRE

Derwent Class: W01

International Patent Class (Main): G06F-017/30; H04M-000/00; H04M-015/00;  
H04M-015/000; H04M-017/02

International Patent Class (Additional): G01D-004/00; G06F-017/40;  
G06F-017/60; H04L-012/14; H04L-029/00; H04M-015/30; H04M-017/00

File Segment: EPI

23/5/9 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009365483 \*\*Image available\*\*

WPI Acc No: 1993-058962/199307

XRPX Acc No: N93-044906

**Computer system for bill payment at consumer instruction - includes access device used by consumer to access computer system from remote location, with bill payment made at consumer's instructions**

Patent Assignee: CHECKFREE CORP (CHEC-N)

Inventor: CHRISTENSON T K; COOK K; JOHNSON M A; KIGHT P J; LACH R; POINTER P

Number of Countries: 017 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9302422	A1	19930204	WO 92US5774	A	19920708	199307 B

AU 9224285	A	19930223	AU 9224285	A	19920708	199324
US 5383113	A	19950117	US 91736071	A	19910725	199509
US 5873072	A	19990216	US 91736071	A	19910725	199914
			US 95372620	A	19950113	

Priority Applications (No Type Date): US 91736071 A 19910725; US 95372620 A 19950113

Cited Patents: 2.Jnl.Ref; US 4799156

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9302422	A1	E	25	G06F-015/00	
Designated States (National): AU JP					
Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LU MC NL SE					
AU 9224285	A			G06F-015/00	Based on patent WO 9302422
US 5383113	A		16	G06F-015/21	
US 5873072	A			G06F-151/00	Cont of application US 91736071
					Cont of patent US 5383113

Abstract (Basic): WO 9302422 A

The computer system includes an input device for inputting consumer's information into the computer system which relates to the consumer's financial institution and billing entities to be paid, and memory stores for storing the information, and for defining and storing mathematical interrelationships relating to the information.

The computer system further includes an access device used by the consumer to electronically access the system from a remote location and instruct a service provider to pay the consumer's bills. A control mechanism is provided for enabling the service provider to make payment to the billing entities.

ADVANTAGE - More efficient and cost-effective.

Dwg.5/5

Title Terms: COMPUTER; SYSTEM; BILL; PAY; CONSUME; INSTRUCTION; ACCESS;  
 DEVICE; CONSUME; ACCESS; COMPUTER; SYSTEM; REMOTE; LOCATE; BILL; PAY;  
 MADE; CONSUME; INSTRUCTION  
 Derwent Class: T01; T05

25/5/1 (Item 1 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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011167239 \*\*Image available\*\*  
WPI Acc No: 1997-145164/199713  
XRPX Acc No: N97-120185

**Protecting database against deduction of confidential attribute -  
partitioning database into public and private attributes containing  
attribute values, and processing values to reduce high correlation  
between public and private values**

Patent Assignee: BELL COMMUNICATIONS RES INC (BELL-N)  
Inventor: GIFFORD W S; GRIFFETH N D; KATZ J E; GIFFORD W  
Number of Countries: 023 Number of Patents: 008  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9642059	A1	19961227	WO 96US9703	A	19960610	199713 B
AU 9661063	A	19970109	AU 9661063	A	19960610	199717
US 5614927	A	19970325	US 95372759	A	19950113	199718
			US 95490001	A	19950612	
EP 834142	A1	19980408	EP 96918385	A	19960610	199818
			WO 96US9703	A	19960610	
NZ 310293	A	19980728	NZ 310293	A	19960610	199836
			WO 96US9703	A	19960610	
AU 697133	B	19980924	AU 9661063	A	19960610	199850
MX 9710080	A1	19980301	MX 9710080	A	19971211	200002
JP 2000513463	W	20001010	WO 96US9703	A	19960610	200053
			JP 97503202	A	19960610	

Priority Applications (No Type Date): US 95490001 A 19950612; US 95372759 A 19950113

Cited Patents: 1.Jnl.Ref; US 4962533; US 5191638; US 5355474

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9642059	A1	E	38	G06F-017/30	
				Designated States (National): AU CA JP MX NZ	
				Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE	
AU 9661063	A			G06F-017/30	Based on patent WO 9642059
US 5614927	A		15	G06F-017/30	CIP of application US 95372759
EP 834142	A1	E		G06F-017/30	Based on patent WO 9642059
				Designated States (Regional): DE FR GB SE	
NZ 310293	A			G06F-017/30	Based on patent WO 9642059
AU 697133	B			G06F-017/30	Previous Publ. patent AU 9661063
					Based on patent WO 9642059
MX 9710080	A1			G06F-017/30	
JP 2000513463	W		49	G06F-017/30	Based on patent WO 9642059

Abstract (Basic): WO 9642059 A

The method for protecting a **database** against **deduction** of confidential attribute values stored within it involves partitioning the database into public and private values (202), such that some of the public values are deemed more important than others (203). The private attribute values are electronically processed (204-226) to reduce any high correlation between the public and private values.

The processor partitions the database (204-210) into safe tuples and unsafe tuples which have high correlative public values (216- 218). The processor then **combines** the public attribute values of the tuples (220) to camouflage the tuples from deduction of their private attribute values beyond a threshold of uncertainty (226).

USE - Maintaining confidentiality of certain information in database containing demographic information regarding customers of communication network.

ADVANTAGE - Enables **advertisers** to target specific customers,  
whose demographics meet **advertiser** specified profile, for  
**advertising** via communications network, and ensures that private  
information of customers cannot be deduced by **advertisers** beyond  
controllable level of uncertainty, so that **advertiser** cannot deduce  
specific confidential information belonging to specific customer.

Dwg.4/4

Title Terms: PROTECT; DATABASE; DEDUCT; CONFIDE; ATTRIBUTE; PARTITION;  
DATABASE; PUBLIC; PRIVATE; ATTRIBUTE; CONTAIN; ATTRIBUTE; VALUE; PROCESS;  
VALUE; REDUCE; HIGH; CORRELATE; PUBLIC; PRIVATE; VALUE

Derwent Class: T01

International Patent Class (Main): G06F-017/30

International Patent Class (Additional): G06F-019/00

File Segment: EPI

28/5/1 (Item 1 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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012803183 \*\*Image available\*\*  
WPI Acc No: 1999-609413/199952  
XRPX Acc No: N99-448863

**Third party online accounting method on world wide web**

Patent Assignee: WEXLER D D (WEXL-I)

Inventor: WEXLER D D

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5960409	A	19990928	US 96729188	A	19961011	199952 B

Priority Applications (No Type Date): US 96729188 A 19961011

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5960409	A	7	G06F-013/14	

Abstract (Basic): US 5960409 A

NOVELTY - A third party web site (13) which maintains the accounting and statistical information receives the request signal and redirects to the **advertiser** 's web site (17) by a download request signal (19a) on reception of which the **advertiser** 's web page is downloaded to the user's web browser.

DETAILED DESCRIPTION - A download request signal (15a) is generated from user's web browser (3) when the user clicks on a banner (9) displayed on a web page (7) of a frequently visited web site.

USE - For providing statistical information such as number of clicks on the banner per day, date and time of each click, origin of the user, effectiveness of each of the publishing sites etc. for the benefit of the publisher and **advertiser** on world wide web.

ADVANTAGE - The banner takes the user directly to the **advertiser** 's web site and provides data indicative of effectiveness of banner **publisher** 's web page as **advertising** medium.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the online third party **accounting** and statistical **system** .

Web browser (3)

Banner (9)

Third party web site (13)

Download request signals (15a,19a)

**Advertiser** 's web site (17)

pp; 7 DwgNo 2/3

Title Terms: THIRD; PARTY; ACCOUNT; METHOD; WORLD; WIDE; WEB

Derwent Class: T01; T05; W01; W02

International Patent Class (Main): G06F-013/14

International Patent Class (Additional): G06F-013/42; H04L-012/46;

H04L-029/02

File Segment: EPI

28/5/2 (Item 2 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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010331835 \*\*Image available\*\*  
WPI Acc No: 1995-233527/199531  
XRPX Acc No: N95-182020

**Automatic database compilation system for customer information of bank cheque data - provides system for acquisition, compilation, storage and retrieval of customer profile information printed and written on bank cheques tendered as payment by customers in retail transactions**



Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )

Inventor: OSTRANDER J B

Number of Countries: 004 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 661654	A2	19950705	EP 94118001	A	19941115	199531 B
CA 2131667	A	19950630	CA 2131667	A	19940908	199539

Priority Applications (No Type Date): US 93174852 A 19931229

Cited Patents: No-SR.Pub

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 661654	A2	E	11	G06F-017/60	
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Designated States (Regional): DE FR GB

CA 2131667	A			G06F-015/30	
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Abstract (Basic): EP 661654 A

The system comprises a cheque handling and transport unit receiving and transporting (17) several cheques successively along a cheque scanning line. The non-magnetically encoded printed, typed and handwritten characters appearing on the cheques are detected and recognised (24).

The characters are converted to electrical signals indicative of the characters in character order. The selected items of data are stored for each cheque (25).

USE/ADVANTAGE - In order to automatically and rapidly read, store, manipulate, manage and update customer information for use by business payees for other than completing cheque **payment** process, automatic **customer** information **database** compilation system may be embodied as component of commercially available high speed document handling reader and sorter system. Access to marketing or **advertising** company for use as research database for business promotion.

Dwg.2/4

Title Terms: AUTOMATIC; DATABASE; COMPILE; SYSTEM; CUSTOMER; INFORMATION; BANK; CHEQUE; DATA; SYSTEM; ACQUIRE; COMPILE; STORAGE; RETRIEVAL; CUSTOMER; PROFILE; INFORMATION; PRINT; WRITING; BANK; CHEQUE; PAY; CUSTOMER; RETAIL; TRANSACTION

Derwent Class: T01

International Patent Class (Main): G06F-015/30; G06F-017/60

International Patent Class (Additional): G06F-157-00

34/5/1 (Item 1 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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007268930

WPI Acc No: 1987-265937/198738

XRAM Acc No: C87-112627

XRPX Acc No: N87-199273

**Lamp with bottle mounted by concealed fixings - has traversing holes  
pierced in it**

Patent Assignee: LOPEZ M (LOPE-I)

Inventor: **LOPEZ M**

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
FR 2593888	A	19870807	FR 861742	A	19860206	198738 B

Priority Applications (No Type Date): FR 861742 A 19860206

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
FR 2593888	A	11		

Abstract (Basic): FR 2593888 A

A lamp or **advertising** symbol has a bottle or other container  
pierced by holes for concealed fixings mounting it on a support.

The support is pref. of plastic, wood, or metal. It is pref. a  
bracket with holes for bolts, seats for rubber seals and washers, and a  
compartment for electrical connections. The bolts are pref. threaded  
hollow tubes of brass or nylon housing wires for the lamp. If the lamp  
is fixed by its base it pref. rests on an adhesive ring of foam rubber

Title Terms: LAMP; BOTTLE; MOUNT; CONCEAL; FIX; TRAVERSE; HOLE; PIERCE

Derwent Class: A84; P85; Q71

International Patent Class (Additional): F21V-021/10; G09F-023/00

File Segment: CPI; EngPI

38/5/1 (Item 1 from file: 347)  
DIALOG(R) File 347:JAPIO  
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06497263 \*\*Image available\*\*  
ANALOG PRE-CIRCUIT IN **DIGITAL SUBSCRIBER** LINE COMMUNICATION SYSTEM AND  
ITS PROCESSING METHOD

PUB. NO.: 2000-082961 [JP 2000082961 A]  
PUBLISHED: March 21, 2000 (20000321)  
INVENTOR(s): HESTER RICHARD K  
SUBHASHISHI MUKHERJII  
APPLICANT(s): TEXAS INSTR INC (TI)  
APPL. NO.: 11-089818 [JP 9989818]  
FILED: March 30, 1999 (19990330)  
PRIORITY: 50738 [US 9850738], US (United States of America), March 30,  
1998 (19980330)  
INTL CLASS: H03M-003/00; H03H-017/00; H04L-029/10; H04L-027/00;  
H04M-003/00; H04M-011/00; H04Q-003/42

ABSTRACT

PROBLEM TO BE SOLVED: To simplify the constitution of an analog pre-function for a asynchronous **digital subscriber** line communication modem and to integrate it in a single integrated circuit.

SOLUTION: An analogue pre-function 12 is integrated in a single integrated circuit and it contains a transmission side and a reception side. The transmission side contains an over sampler 44C and a digital filter 46C and they operate to improve the sampling rate of **digital data**. Consequently, down stream analog LPF 50C is realized by a comparatively simple low-order filter since a DA converter 48C operates by an over-sampling method. For reducing the complicated reception side analog LPF 58C, a digital filter 64C is contained in the down stream of an AD converter 62C. For conquering the influence of line attenuation to high frequency down stream transmission, a remote DSL modem contains an equalizer function boosting signal amplitude as the frequency becomes higher.

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38/5/2 (Item 1 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
(c) 2001 Derwent Info Ltd. All rts. reserv.

013192671 \*\*Image available\*\*  
WPI Acc No: 2000-364544/200031  
XRPX Acc No: N00-272800

**Data disseminating method for use in combined advertising and entertainment network, involves selecting data to be disseminated based on identity of user at specific information unit**

Patent Assignee: E-ZONE NETWORKS INC (EZON-N)

Inventor: LOWE D D; SIMPSON T G

Number of Countries: 088 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200019620	A1	20000406	WO 99US22252	A	19990924	200031 B
AU 9962652	A	20000417	AU 9962652	A	19990924	200035

Priority Applications (No Type Date): US 98161892 A 19980928

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200019620 A1 E 40 H04B-001/08

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN

CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW  
AU 9962652 A H04B-001/08 Based on patent WO 200019620

Abstract (Basic): WO 200019620 A1

NOVELTY - Data stored in memory (61) is transmitted to information unit and is displayed. The user receives a portion of information via a head phone which identifies the user and transmits specific data for display. Based on the identity of the user at particular information unit, the data to be disseminated is selected.

DETAILED DESCRIPTION - The memory stores **digital data** which is converted into analog form. The transmitted data contains an **advertisement** which is synchronized on a channel and the **advertisement** is presented to user. The audio and video component is transmitted to the information unit. The user is enabled to turn off or change the channel when one control of the information unit is enabled. INDEPENDENT CLAIMS are also included for the following:

- (a) transmitter;
- (b) information system

USE - For use in combined **advertising** and entertainment network.

ADVANTAGE - The **advertising** server transmits full effect **advertising** and video effect **advertising** and keep records from which **advertisements** are displayed. Offers captive viewers to the **advertisers** who connect switch channels during display of **advertisements**. Avoids need for operators for loading new **advertisements** or to **check** status of old **advertisements** since the system can be used with or without headsets. The headset cannot be switched to other bands until preset number of **advertisements** is played or after elapse of preset time.

DESCRIPTION OF DRAWING(S) - The figure shows block diagram of **advertising** server connected to entertainment units.

Memory (61)

pp; 40 DwgNo 6/6

Title Terms: DATA; DISSEMINATE; METHOD; COMBINATION; **ADVERTISE** ;  
ENTERTAINMENT; NETWORK; SELECT; DATA; DISSEMINATE; BASED; IDENTIFY; USER;  
SPECIFIC; INFORMATION; UNIT

Derwent Class: P85; T01; W02; W05

International Patent Class (Main): H04B-001/08

International Patent Class (Additional): G09F-027/00

File Segment: EPI; EngPI

38/5/3 (Item 2 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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013111885 \*\*Image available\*\*

WPI Acc No: 2000-283756/200024

XRPX Acc No: N00-213529

**Recording arrangement in video recorder of moving picture expert group system, has recording unit which records digital recording data stream including MPEG transport stream, supplied by video processor**

Patent Assignee: KONINK PHILIPS ELECTRONICS NV (PHIG )

Inventor: POSCH A; PROIDL A

Number of Countries: 022 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200018116	A1	20000330	WO 99EP6646	A	19990908	200024 B
EP 1046291	A1	20001025	EP 99947296	A	19990908	200055
			WO 99EP6646	A	19990908	

Priority Applications (No Type Date): EP 98890268 A 19980922

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200018116 A1 E 26 H04N-005/91

Designated States (National): HU JP KR

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU  
MC NL PT SE

EP 1046291 A1 E H04N-005/91 Based on patent WO 200018116

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI  
LU MC NL PT SE

Abstract (Basic): WO 200018116 A1

NOVELTY - Signal receivers (25,10) receive analog and digital video signal of MPEG transport stream (TS1) respectively. At least one video packet of received stream contains encoded video data. A video processor (11) processes the received video signal (AVS1,VS1). A recording unit (16) records digital recording data stream (ADS) including an MPEG transport stream (TS3), supplied by video processor.

DETAILED DESCRIPTION - The recording arrangement (2) has video processor (11) that includes a video encoding unit (30) to encode each television picture contained in a digitized video signal (DVS) supplied by the signal receiver (25) based on interference video encoding technique. The video processor also includes an insertion unit (31) adapted to inserted the encoded video data (VES1) supplied by video encoder, into at least one data packets of MPEG transport stream (TS2). An error correction insertion unit (15) is adapted to generate and insert an interleaved error correction information. The recording unit (16) records the recording data stream (ADS) in helical recording track (6) on a magnetic tape (3).

USE - For recording analog video signals including PAL or NTSC television signals, and digital video signals of moving picture expert group (MPEG) transport.

ADVANTAGE - Since the video encoder requires memory having storage capacity for storing only one television picture of received digitized video signal, video encoder is simplified and cost of recording arrangement is reduced. Enables editing of recorded NTSC and PAL standard television signals, reliably. Since the received digitized video signal is encoded by known wavelets video encoding technique and commercially available integrated circuits are used in video encoder, the cost of encoder is reduced further.

DESCRIPTION OF DRAWING(S) - The figure shows block diagram of video recorder with recording arrangement.

Recording arrangement (2)

Magnetic tape (3)

Track (6)

Signal receivers (10,25)

Video processor (11)

Error correction insertion unit (15)

Recording unit (16)

Video encoding unit (30)

Insertion unit (31)

pp; 26 DwgNo 1/3

Title Terms: RECORD; ARRANGE; VIDEO; RECORD; MOVE; PICTURE; EXPERT; GROUP;  
SYSTEM; RECORD; UNIT; RECORD; DIGITAL; RECORD; DATA; STREAM; TRANSPORT;  
STREAM; SUPPLY; VIDEO; PROCESSOR

Derwent Class: W04

International Patent Class (Main): H04N-005/91

File Segment: EPI

38/5/4 (Item 3 from file: 350)  
DIALOG(R) File 350:Derwent WPIX

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011852709     \*\*Image available\*\*  
WPI Acc No: 1998-269619/199824  
XRPX Acc No: N98-211734

**Automatic interactive sales system in public place - allows user to select and order item for later delivery and to make electronic payment**

Patent Assignee: JANSEN B (JANS-I)

Inventor: JANSEN B

Number of Countries: 001    Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
NL 1001438	C2	19980212	NL 951001438	A	19951018	199824    B

Priority Applications (No Type Date): NL 951001438 A 19951018

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
NL 1001438	C2		12	G06F-017/60	

Abstract (Basic): NL 1001438 C

The sales terminals (2) have visible or audible **advertisements** (3) for the products on offer. The **advertisements** may be a video screen (3-1), a poster (3-2) or an audio unit (3-3). The user controls the unit via a remote control unit (4-1), a light-pen (4-2) or by a built-in keypad (4-3).

Each unit has a memory (8), a processor (10) and a look-up table circuit (11). Each unit is linked by a transmitter/receiver (9) to a **digital data** network (7-1). Also connected to the network are the central control computer (12) and the payment transfer network (7-2).

ADVANTAGE - Requires no visit to shop

Dwg.1/1

Title Terms: AUTOMATIC; INTERACT; SALE; SYSTEM; PUBLIC; PLACE; ALLOW; USER; SELECT; ORDER; ITEM; LATE; DELIVER; ELECTRONIC; PAY

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

**38/5/5        (Item 4 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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011325342     \*\*Image available\*\*  
WPI Acc No: 1997-303246/199728  
XRPX Acc No: N97-250827

**Information billing system for distribution of digital information e.g. moving image, computer program etc. - has utilization fee calculation unit which receives required information from information processing unit for utilization fee calculation based on advertising selection result**

Patent Assignee: FUJI XEROX CO LTD (XERF )

Number of Countries: 001    Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9114755	A	19970502	JP 95268751	A	19951017	199728    B

Priority Applications (No Type Date): JP 95268751 A 19951017

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 9114755	A		15	G06F-013/00	

Abstract (Basic): JP 9114755 A

The system has information main body processing part (11) which calls the **advertising** selection part (12) including the **advertising** information in the information label. An user makes the selection from **advertising** propriety and from the reference **advertisements**. The information main body processing part receives the selection result and displayed on a **advertising** display part (13).

The processing of information main body is started and the selected **advertisement** is displayed to the user realising the information utilization. An utilisation fee calculation unit (14) receives the information required for the calculation of utilization fee from the information processing unit. The utilization fee is calculated based on the **advertising** selection result. The calculation result is displayed with an information identifier for discount of utilization fee.

ADVANTAGE - Reduces user's burden. Promotes information utilization and circulation. Ensures determination of favourite **advertisement** references by user. Improves informational efficiency.

Dwg.1/8

Title Terms: INFORMATION; BILL; SYSTEM; DISTRIBUTE; DIGITAL; INFORMATION; MOVE; IMAGE; COMPUTER; PROGRAM; FEE; CALCULATE; UNIT; RECEIVE; REQUIRE; INFORMATION; INFORMATION; PROCESS; UNIT; FEE; CALCULATE; BASED;

**ADVERTISE** ; SELECT; RESULT

Derwent Class: P85; P86; T01; W01

International Patent Class (Main): G06F-013/00

International Patent Class (Additional): G06F-001/00; G06F-009/06;

G09G-005/00; G10K-015/04; H04M-015/00

File Segment: EPI; EngPI

38/5/6 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010855687 \*\*Image available\*\*

WPI Acc No: 1996-352640/199635

XRPX Acc No: N96-297509

**Electronic newspaper information distribution method for TV electronic newspaper - involves modulating digital information which shows pagewise image data of newspaper with video component of TV signal, for broadcasting purposes**

Patent Assignee: SAPIENS KK (SAPI-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8167958	A	19960625	JP 94341162	A	19941212	199635 B

Priority Applications (No Type Date): JP 94341162 A 19941212

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 8167958	A		15	H04N-001/00	

Abstract (Basic): JP 8167958 A

The method is applicable to an electronic information communication network which makes use of an electronic editing system (12). Using this, newspapers are edited in a newspaper company (10). One page of the newspaper is output at a time as **digital information**. The **digital information** shows the image data of newspaper whose surface is either black and white or is any primary colours.

The above image data is transmitted to a broadcasting station (30). The concerned **digital information** is modulated with the video component of a TV signal. The image data of one page of the newspaper is distributed over multiple frames of image signal. Thus, broadcasting of each newspaper page is carried out. The broadcast information is viewed on TV monitor.

ADVANTAGE - Enables simultaneous information supply for multiple readers. Reduces transmission cost. Enables broadcast of advertisement too. Prevents reader from reuse of data.

Dwg.1/10

Title Terms: ELECTRONIC; NEWSPAPER; INFORMATION; DISTRIBUTE; METHOD; TELEVISION; ELECTRONIC; NEWSPAPER; MODULATE; DIGITAL; INFORMATION; SHOW; IMAGE; DATA; NEWSPAPER; VIDEO; COMPONENT; TELEVISION; SIGNAL; BROADCAST; PURPOSE

Derwent Class: W02

International Patent Class (Main): H04N-001/00

International Patent Class (Additional): H04N-007/08; H04N-007/081

File Segment: EPI

38/5/7 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009014763 \*\*Image available\*\*

WPI Acc No: 1992-142099/199218

XRPX Acc No: N92-106303

**Franking strip generating system for data printing - has housing with printer, processor, read-out and write device, and operator**

Patent Assignee: FRANCO TYP POSTALIA GMBH (FRAN-N); FRANCO TYP-POSTALIA (FRAN-N)

Inventor: HESSHAUS W

Number of Countries: 020 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 4033164	A	19920423	DE 4033164	A	19901016	199218 B
WO 9207338	A1	19920430				199220
EP 504367	A1	19920923	EP 91918171	A	19911016	199239
			WO 91EP1971	A	19911016	
CZ 9103137	A3	19930811	CS 913137	A	19911016	199343
CZ 278830	B6	19940713	CS 913137	A	19911016	199431
US 5365044	A	19941115	WO 91EP1971	A	19911016	199445
			US 92859740	A	19920615	
EP 504367	B1	19950823	EP 91918171	A	19911016	199538
			WO 91EP1971	A	19911016	
DE 59106317	G	19950928	DE 506317	A	19911016	199544
			EP 91918171	A	19911016	
			WO 91EP1971	A	19911016	
CA 2071839	C	19960326	CA 2071839	A	19911016	199623

Priority Applications (No Type Date): DE 4033164 A 19901016

Cited Patents: No-SR.Pub; DE 3903718; EP 207492; EP 298248; EP 328059; GB 2188878; LU 85436; LU 85750; US 4868757; WO 8801818

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 4033164	A		4		
WO 9207338	A1	G	9	G07B-017/02	
					Designated States (National): CA DE HU KR PL US
					Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LU NL SE
EP 504367	A1	G	10	G07B-017/02	Based on patent WO 9207338
					Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LI LU NL SE
CZ 278830	B6			G07B-017/02	Previous Publ. patent CZ 9103137
US 5365044	A		4	G06F-015/20	Based on patent WO 9207338
EP 504367	B1	G	6	G07B-017/02	Based on patent WO 9207338
					Designated States (Regional): CH DE FR GB IT LI
DE 59106317	G			G07B-017/02	Based on patent EP 504367
					Based on patent WO 9207338
CZ 9103137	A3			G07B-017/04	
CA 2071839	C			G07B-017/02	



Abstract (Basic): DE 4033164 A

The franking strip generator contains a printer, a processor, a read-write device, a control device, and a strip container in a common housing. The read-write device accepts postage credit cards and exchanges **digital data** with the processor system via communications lines.

The data exchange enables identification of postal charges and individual **advertising** text stored on the credit cards. The signal and data lines between the processor and printer carry the digitalised **advertising** data and control and check data to the printer.

ADVANTAGE - Economical franking machine suitable for small companies and shared operation

Title Terms: FRANKING; STRIP; GENERATE; SYSTEM; DATA; PRINT; HOUSING; PRINT ; PROCESSOR; READ-OUT; WRITING; DEVICE; OPERATE

Derwent Class: T01; T05

International Patent Class (Main): G06F-015/20; G07B-017/02; G07B-017/04

International Patent Class (Additional): G07B-007/00; G07F-007/00;

G07F-017/26

File Segment: EPI

**38/5/8 (Item 7 from file: 350)**

DIALOG(R) File 350:Derwent WPIX

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007218327

WPI Acc No: 1987-215335/198731

XRPX Acc No: N87-161003

**Sound-producing amusement device, e.g. for talking doll - has ROM in separate unit with connectors for connection to sound producing unit**

Patent Assignee: MEGATONE LTD (MEGA-N); WEINER A J (WEIN-I)

Inventor: WEINER A J

Number of Countries: 017 Number of Patents: 013

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 231142	A	19870805	EP 87630006	A	19870120	198731 B
AU 8767885	A	19870730				198737
ZA 8700434	A	19870819				198744
US 4778391	A	19881018	US 87116842	A	19871105	198844
US 4820233	A	19890411	US 873040	A	19870113	198917
US 4824375	A	19890425	US 88145160	A	19880119	198919
IL 77705	A	19890228				198921
IL 81146	A	19900429				199026
IL 84626	A	19900429				199026
EP 231142	B	19901122				199047
DE 3766259	G	19910103				199102
CA 1277494	C	19901211				199104
ES 2019968	B	19910716				199133

Priority Applications (No Type Date): IL 81146 A 19870102; IL 77705 A 19860126; IL 84626 A 19870102

Cited Patents: A3...8825; DD 236458; DE 3504382; FR 2520247; FR 2572300;

No-SR.Pub; US 4318245; US 4545775; US 4614144

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 231142 A E 21

Designated States (Regional): AT BE CH DE ES FR GB GR IT LI NL SE

US 4778391 A 7

US 4820233 A 9

US 4824375 A 13

EP 231142 B

Designated States (Regional): AT BE CH DE ES FR GB GR IT LI NL SE

Abstract (Basic): EP 231142 A

The sound producing amusement device comprises a read only memory having a recorded **digital data** representing sounds characteristic of the amusement device. The sound producer produces the sounds represented by the **digital data** recorded in the read-only memory. The read only memory is in a separate unit including connectors for connection to the sound producer.

The producer is a separate unit including mating connectors for removably attaching and connecting the unit to the ROM. Power is supplied to both the sound producer and the ROM unit and a transducer produces the sounds.

ADVANTAGE - Removes limits on sounds produced.

/15

Title Terms: SOUND; PRODUCE; AMUSE; DEVICE; TALK; DOLL; ROM; SEPARATE; UNIT  
; CONNECT; CONNECT; SOUND; PRODUCE; UNIT

Derwent Class: P36; P86; W04

International Patent Class (Additional): A61K-031/72; A63H-003/28;

A63H-005/00; A63H-017/26; A63H-019/14; A63H-023/00; A63H-033/10;

G01H-007/00; G09B-019/00; G09F-027/00; G10H-007/00; G11C-017/00

File Segment: EPI; EngPI

38/5/9 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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004478132

WPI Acc No: 1985-305010/198549

Related WPI Acc No: 1990-187474; 1990-187475; 1990-187476; 1990-187477;

1990-195737; 1990-232960

XRPX Acc No: N85-226798

**Local area network for digital data processing system - joins users and sources using communications link with interface units each of which is connected to several users**

Patent Assignee: DIGITAL EQUIP CORP (DIGI )

Inventor: DUFFY D; LAUCK A; MANN B; STRECKER W; DUFFY D J; LAUCK A J; LAUCK A G; MANN B E; STRECKER W D

Number of Countries: 015 Number of Patents: 022

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 163577	A	19851204				198549 B
AU 8542661	A	19851205				198605
FI 8502198	A	19851202				198611
BR 8502706	A	19860212				198613
JP 61056538	A	19860322	JP 85118662	A	19850531	198618
US 4823122	A	19890418	US 8788063	A	19870824	198918
CA 1257399	A	19890711				198932
AU 8941416	A	19891221				199016
AU 8941417	A	19891221				199016
US 4975904	A	19901204	US 89433419	A	19891107	199051
US 4975905	A	19901204	US 89412577	A	19890925	199051
CA 1279933	C	19910205				199111
US 5058108	A	19911015	US 89412576	A	19890925	199144
EP 163577	B	19911211				199150
DE 3584853	G	19920123				199205
CA 1301941	C	19920526	CA 605259	A	19890710	199227
			CA 615862	A	19900914	
AU 633510	B	19930204	AU 8542661	A	19850601	199312
			AU 8941416	A	19890914	
AU 633511	B	19930204	AU 8542661	A	19850601	199312
			AU 8941417	A	19890914	
JP 5063706	A	19930312	JP 85118662	A	19850531	199315

			JP 9232437	A	19850531	
JP 8214003	A	19960820	JP 9232437	A	19850531	199643
			JP 95281198	A	19850531	
US 5621734	A	19970415	US 84616553	A	19840601	199721
			US 8727033	A	19870319	
			US 8788063	A	19870824	
			US 88178430	A	19880406	
			US 89338485	A	19890413	
			US 89412576	A	19890925	
			US 91724064	A	19910701	
			US 9331069	A	19930312	
			US 94225365	A	19940408	
US 5734659	A	19980331	US 84616553	A	19840601	199820
			US 8727033	A	19870319	
			US 8788063	A	19870824	
			US 88178430	A	19880406	
			US 89338485	A	19890413	
			US 89412576	A	19890925	
			US 91724064	A	19910701	
			US 9331069	A	19930312	
			US 94223245	A	19940401	

Priority Applications (No Type Date): US 8788063 A 19870824; US 84616553 A 19840601; US 8727033 A 19870319; US 88177849 A 19880404; US 89433419 A 19891107; US 89412577 A 19890925; US 89412576 A 19890925; US 88178430 A 19880406; US 89338485 A 19890413; US 91724064 A 19910701; US 9331069 A 19930312; US 94225365 A 19940408; US 94223245 A 19940401

Cited Patents: Jnl.Ref; A3...8802; EP 160263; EP 81056; No-SR.Pub

#### Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 163577	A	E	49		
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Designated States (Regional): CH DE FR GB IT LI NL SE

US 4975904	A		23		
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US 4975905	A		22		
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US 5058108	A		24		
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EP 163577	B				
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Designated States (Regional): BE CH DE FR GB IT LI NL SE

CA 1301941	C			H04L-005/22	Div ex application CA 605259
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AU 633510	B			G06F-013/42	Div ex application AU 8542661
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Previous Publ. patent AU 8941416

AU 633511	B			G06F-015/16	Div ex application AU 8542661
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Previous Publ. patent AU 8941417

JP 5063706	A			H04L-012/28	Div ex application JP 85118662
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JP 8214003	A		21	H04L-012/28	Div ex application JP 9232437
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US 5621734	A		23	H04L-012/40	Cont of application US 84616553
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Div ex application US 8727033

Div ex application US 8788063

Cont of application US 88178430

Cont of application US 89338485

Div ex application US 89412576

Cont of application US 91724064

Cont of application US 9331069

Div ex patent US 4823122

Div ex patent US 5058108

US 5734659	A		22	H04J-003/00	Cont of application US 84616553
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Div ex application US 8727033

Div ex application US 8788063

Cont of application US 88178430

Cont of application US 89338485

Div ex application US 89412576

Cont of application US 91724064

Cont of application US 9331069

Div ex patent US 4823122

Abstract (Basic): EP 163577 A

The network includes several device server units each of which converts to a service user and a number of nodes connected to a service provider and communications link to effect communications between the nodes and the units. This enables users and provides to communicate. Each node includes a device for transmitting a service **advertising** message over the link to identify the services provided. Each sensor device unit includes an **advertising** message receiving device connected to the link for receiving the message. A service table device establishes a service table including several entries each including a node field and a service field, identifying a node and a service provided by the service provider connected to the node.

A selection device is responsive to an operator requesting a service for using the service table to requested service.

USE - **Electronic** mail, word processing, **accounting** or data communications over telephone lines.

Dwg.0/8

Title Terms: LOCAL; AREA; NETWORK; DIGITAL; DATA; PROCESS; SYSTEM; JOIN; USER; SOURCE; COMMUNICATE; LINK; INTERFACE; UNIT; CONNECT; USER

Derwent Class: T01; W01

International Patent Class (Main): G06F-013/42; G06F-015/16; H04J-003/00; H04L-005/22; H04L-012/28; H04L-012/40

International Patent Class (Additional): G06F-013/00; H04J-003/02; H04J-003/26; H04L-011/00; H04L-012/56; H04Q-001/00

File Segment: EPI

File 9:Business & Industry(R) Jul/1994-2001/May 24  
 (c) 2001 Resp. DB Svcs.  
 File 15:ABI/Inform(R) 1971-2001/May 29  
 (c) 2001 Bell & Howell  
 File 16:Gale Group PROMT(R) 1990-2001/May 25  
 (c) 2001 The Gale Group  
 File 160:Gale Group PROMT(R) 1972-1989  
 (c) 1999 The Gale Group  
 File 148:Gale Group Trade & Industry DB 1976-2001/May 25  
 (c)2001 The Gale Group  
 File 625:American Banker Publications 1981-2001/May 25  
 (c) 2001 American Banker  
 File 268:Banking Information Source 1981-2001/May W3  
 (c) 2001 Bell & Howell  
 File 626:Bond Buyer Full Text 1981-2001/May 25  
 (c) 2001 Bond Buyer  
 File 267:Finance & Banking Newsletters 2001/May 29  
 (c) 2001 The Dialog Corp.

Set	Items	Description
S1	220946	(BILLING OR PAYMENT OR INVOIC? OR ACCOUNTING OR ACCOUNTS()-RECEIV?) (3N) (SYSTEM? OR MANAGEMENT? OR STATEMENT?)
S2	2197731	ADVERTIS? OR AD OR ADS
S3	4362897	COMBIN? OR MERG? OR MATCH?
S4	78000	(AUTOMATED OR ELECTRONIC? OR DATABASE? OR DATA()BASE?) (5N)-(BILLING OR ACCOUNTING OR INVOIC? OR PAYMENT? OR DEDUCTION?)
S5	1065	TEARSHEET? OR TEAR()SHEET? OR AD?()ORDER() (SHEET? OR FORM? OR ENTRY)
S6	0	MANUAL?(2N)S5
S7	2298690	OBSOLETE OR OBSOlesc? OR ELIMINAT? OR TERMINAT? OR REMOV? - OR STOP?
S8	249602	(DATE? OR PAGE? OR NAME? OR CUSTOMER? OR SUBSCRIBER? OR ATTRIBUTE?) (3N) (PUBLISH? OR PRINT? OR DATABASE? OR DIGITAL? OR - DIGITIZ?)
S9	41321	(TRACK? OR CHECK? OR VERIFY?) (3N) (BILL? OR CHARG? OR (DISP-LAY OR DIGIT?) ()AD? OR ADS OR ADVERTIS?)
S10	88	(CUSTOMER?() (INVOICE? OR BILL? OR STATEMENT?)) (5N) ((CUSTOM-ER?) (2N)AD?)
S11	2090	UNIQUE(2N)IDENTIFIER?
S12	1671	INTEGRAT?()ADVERTIS?
S13	12	S1 AND S2 AND S3 AND S4 AND S5
S14	9	RD (unique items)
S15	32154	DIGIT?() (DATA OR INFORMATION)
S16	802	SOFTWARE()CONSULTING()SERVICES
S17	2	ADMAX(2W)CLASSIFIED
S18	2	S16 AND S17
S19	1	RD (unique items)
S20	319	S1(S)S2(S)S4
S21	62	S20 AND (S8 OR S9 OR S10 OR S11 OR S12)
S22	0	S21 AND S16
S23	2	S21 AND S15
S24	2	RD (unique items)
S25	2	S24 NOT (S14 OR S19)
S26	2	S21 AND S5
S27	1	RD (unique items)
S28	0	S27 NOT (S14 OR S19 OR S24)
S29	6	S10 AND S4
S30	5	RD (unique items)
S31	5	S30 NOT (S14 OR S19 OR S24)
S32	375	S3(5N)S15
S33	68	S32 AND S2
S34	10	S33 AND (S1 OR S4)
S35	8	RD (unique items)

S36\ 7\ S35 NOT (S14 OR S19 OR S24 OR S30)  
 S37\ 8\ CO="ELECTRONIC IMAGING SYSTEMS" OR CO="ELECTRONIC IMAGING -  
 SYSTEMS INC." OR CO="ELECTRONIC IMAGING SYSTEMS NW" OR CO="EL-  
 ELECTRONIC IMAGING SYSTEMS OF AMERICA INC"  
 S38 0 S37 AND (S1 OR S2 OR S4 OR S5 OR S8 OR S9 OR S10 OR S11 OR  
 S1)  
 S39 0 S37 AND S12  
 S40 0 S32(5N)S4  
 S41 1 S32(25N)S4  
 S42 1 S41 NOT (S14 OR S19 OR S24 OR S30 OR S35)  
 S43 58 (S1 AND S2)/TI  
 S44 13 S43 AND (S4 OR S15 OR S5 OR S8 OR S9 OR S10 OR S11 OR S12)  
 S45 9 RD (unique items)  
 S46 9 S45 NOT (S14 OR S19 OR S24 OR S30 OR S35 OR S41)

14/3,K/2 (Item 2 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2001 Bell & Howell. All rts. reserv.

01047808 96-97201

**Booth directory for Nexpo 95 Who's showing what where**  
Anonymous  
Editor & Publisher v128n21 PP: 8N-9N+ May 27, 1995  
ISSN: 0013-094X JRNL CODE: EDP  
WORD COUNT: 23968

14/3,K/3 (Item 3 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2001 Bell & Howell. All rts. reserv.

00708894 93-58115

**Who's showing what where**  
Anonymous  
Editor & Publisher v126n20 PP: 12N-56N May 15, 1993  
ISSN: 0013-094X JRNL CODE: EDP  
WORD COUNT: 19597

14/3,K/4 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2001 The Gale Group. All rts. reserv.

08643831 Supplier Number: 74653006 (USE FORMAT 7 FOR FULLTEXT)  
**NEXPO 2001: Profiles.**  
Santo, Jamie  
Editor & Publisher, p24  
May 14, 2001  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; General  
Word Count: 17177

14/3,K/5 (Item 2 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2001 The Gale Group. All rts. reserv.

07323219 Supplier Number: 61949111 (USE FORMAT 7 FOR FULLTEXT)  
**NEXPO 2000 at the booths. (Brief Article) (Directory)**  
Santo, Jamie; Aiken, Jeffrey; Crosby, Josef  
Editor & Publisher, pN10  
May 1, 2000  
Language: English Record Type: Fulltext  
Article Type: Brief Article; Directory  
Document Type: Magazine/Journal; General  
Word Count: 21319

14/3,K/6 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2001 The Gale Group. All rts. reserv.

06667120 SUPPLIER NUMBER: 14066150 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Newspapers urged to prepare for EDI implementation. (Electronic Data**

**Interchange)**

Kerwin, Ann Marie

Editor & Publisher, v126, n28, p18(2)

July 10, 1993

ISSN: 0013-094X

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 1199

LINE COUNT: 00103

...ABSTRACT: urged to take an active role in establishing Electronic Data Interchange (EDI) systems for their **advertising** departments. EDI will allow newspaper **advertising** departments to quickly transfer routine information increasing efficiency and reducing the need for manpower. The **electronic** processing of **billing payments** will reduce errors and improve customer relationships. Newspaper industry experts view EDI as a foundation on which to create a national one order/one bill system for all newspaper **advertisers** .

**TEXT:**

ELECTRONIC DATA Interchange can make newspaper **advertising** departments faster, more efficient and more error-free, James D. Hitchman, newspaper technology manager of...

... establish a nationwide system of ATMs, newspapers will need to use NAA guidelines to structure **advertising** transactions in electronic form, Hitchman said.

EDI computer messaging methods recommended by NAA use national...

...application programs validate and check each transaction and assure that it is correct.

When display **advertisements** are received at the newspaper as electronic files, EDI allows the newspaper's computer system to properly **match ad** orders to **ad** materials, Hitchman said.

With EDI, accurate and convenient order and **ad** copy transmission can be achieved, which will produce better deadlines for **advertisers** even when the **ad** order and the electronic copy transmissions are separate. Electronic transmissions also speed the processing of **ad** invoices and payments, thus improving cash flow to a newspaper, said Hitchman.

Also, if electronic **tearsheets** become acceptable validate on that an **ad** has run, then the process is speeded up even further. Electronic transmissions eliminate errors caused by rekeying of **ad** order information. The acknowledgment of **advertising** orders is easier with more information going back to the **advertiser** . The invoice can be **matched** with the acknowledged order in the **advertiser** 's computer to reduce billing errors, he said.

The NAA has developed nine EDI transactions...

...include a purchase order, purchase order acknowledgment, purchase order change, purchase order change acknowledgment, consolidated **invoice / statement** , remittance advice, request for quote, response to request for quote and specifications/technical information or...

...Under development are other shipping and planning documents.

With EDI, more information coming into an **ad** department can be processed more efficiently and more consistently, thereby raising the level of productivity.

"EDI will allow newspapers and **advertisers** to work smarter," Iobst said.

Areas where EDI technology can be applied include the purchasing...

...the foundation to launching a successful one order/one bill system for national and regional **advertisers** because EDI can handle the complex problem of information exchange between an **advertiser** and multiple newspapers.

"The idea is to change the perspective of **advertisers** and agencies to think that a newspaper **advertising** buy is easy and convenient,"



Hitchman said.

Hitchman stressed the importance of newspapers agreeing to guidelines so they can provide better service.

"**Advertisers** and agencies that will use EDI are most likely high-volume customers that need fast and convenient information about orders, quotations, material status, invoices and payments' Hitchman said.

Bernard Hodes **Advertising**, a recruitment **advertising** agency, placed over 100,000 newspaper **ads** last year.

"Due to both volume and average **ad** value, minimizing transaction handling costs is critically important to our industry," said Roger Verduin, Hodes...

...of systems and operations, speaking to the newspaper marketing executives.

"Today, the cost to place **ads**, obtain **tearsheets**, audit and pay your bills is a large part of our cost to do business...

...from the reduced manpower needed to post payments, reconcile accounts and deal with claims.

Secondly, **advertisers** and agencies complain most about newspaper billing procedures. Inaccurate and confusing bills result in more...

...than rearrive, role to establishing EDI in their systems.

If a newspaper reacts to an **advertiser** request to implement EDI, it will be forced into a position of adapting just to that **advertiser**'s needs and not to needs that would be best for the whole company. The...

...DESCRIPTORS: Newspaper **advertising** --

14/3,K/7 (Item 2 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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02970535 SUPPLIER NUMBER: 04399185 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Exhibit hall directory - the Folio: Show.**  
Folio: the Magazine for Magazine Management, v15, p135(22)  
Sept, 1986  
ISSN: 0046-4333 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 25035 LINE COUNT: 02253

14/3,K/8 (Item 3 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2001 The Gale Group. All rts. reserv.

02484542 SUPPLIER NUMBER: 03962933 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**The Folio:Show, Face to Face exhibit hall directory.**  
Folio: the Magazine for Magazine Management, v14, p129(24)  
Oct, 1985  
ISSN: 0046-4333 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 21250 LINE COUNT: 01907

14/3,K/9 (Item 4 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2001 The Gale Group. All rts. reserv.

01879135 SUPPLIER NUMBER: 02866918 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Face to Face: 1983 publishing conference and exposition.**  
Folio: the Magazine for Magazine Management, v12, p65(79)

Aug, 1983

ISSN: 0046-4333

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 23596

LINE COUNT: 02127

14/9/1 (Item 1 from file: 15)  
DIALOG(R) File 15:ABI/Inform(R)  
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01265582 99-14978

**Mobile ad sales systems multiply**

Rosenberg, Jim

Editor & Publisher v129n27 PP: 26-28+ Jul 6, 1996 ISSN: 0013-094X

JRNL CODE: EDP

DOC TYPE: Journal article LANGUAGE: English LENGTH: 4 Pages

WORD COUNT: 3105

**ABSTRACT:** At the recent Nexpo '96, 5 companies offered software systems that pack more selling power into sales representatives' notebook computers than most staffers could summon on their desktop PCs only a few years ago. In general, these systems are remarkably similar in type and range of functions, no doubt because they must fulfill the same basic requirements to support sales staff. The 5 suppliers rely on database servers at the newspaper and Windows/Macintosh clients on the laptop. The servers draw information from existing business systems, management reports, outside sources and data input by sales staff. Details of the 5 systems are presented: 1. SoftAd Inc.'s Media SalesExcelerator, 2. Electronic Data Systems Corp.'s **Advertising** Sales Information System, 3. Gannett Media Technologies International's Mobile **Advertising** Sales System, 4. Geac Computers Inc.'s VisionShift Attache, and 5. Media Marketing Inc.'s ImMediate.

**TEXT:** ORE PROCESSING POWER, memory and storage, faster communications, sleek integration of applications software and the availability of in-house and third-party marketing data promise to free ad sales staff to spend less time in the office and more time with **advertisers** .

This laptop liberation is a long way from simple contact-management software and stand-alone presentation programs. At Nexpo '96 in Las Vegas last month, five companies offered software systems that pack more selling power into sales reps' notebook computers than most staffers could summon on their desktop PCs only a few years ago.

The products differ in price, platform, functional organization, number and nature of features and amount of customization possible, as well as by their origins: a major systems integrator, a huge newspaper publisher's subsidiary and developers of software for presentations, sales automation and newspaper business systems. Though the vendors' varied enterprises may suggest products with special emphases, in general their systems are remarkably similar in type and range of functions, no doubt because they must fulfill the same basic requirements to support sales staff -- whether at the newspaper, an **advertiser** or prospect's business, at home, in a car or a bar, almost anywhere.

Vendors argue that their products can significantly increase the percentage of ad sales reps' time spent actually visiting **advertisers** and prospects, which they variously estimate at only 20% or 25%.

In a remark applicable to the entire class of products, an executive said of one company's system, "The whole purpose of it is to keep people out in the field longer to be selling longer"

And selling better: The hope is that by giving staffers immediate access to their own sales resources and to data that **advertisers** need to make informed decisions, those decisions can be made and ad sales closed without requiring return visits, faxes or phone calls and giving newspapers a competitive advantage over other media.

Those informed decisions presumably lead to smarter choices, better ads and enhanced credibility for salespersons and their newspapers. Another vendor's product promotion echoes remarks heard in all five exhibitors' booths. It calls its product "a tool that can convert sales reps from order takers to **advertising** consultants." The price, portability and promised productivity make for attractive products.

"We're talking to a couple of customers that want to get there real fast," said Publishing Partners International sales manager Ed Slattery. He said PPI is looking only to accommodate the technology, not to resell the products.

After enhancing its **Advertising** Management System to work in graphical fashion with database marketing data, PPI began talking with several providers of mobile ad sales systems, said Slattery, with the object of ensuring AMS's compatibility with those systems. Like AMS, portable systems typically rely on a Windows client/SQL server architecture, with some of the same off-the-shelf applications.

"We will set up our database so that an outside sales rep can access" relevant information, said Slattery. AMS's ability to **merge** and display demographic and geographic marketing data on area maps seems a natural fit for the portable systems.

Slattery said PPI wants to move the mapping capability available to display and classified ad staffers from the desktop to the laptop. Now able to isolate information by Zip code, PPI is working on display at the neighborhood level.

With one or two exceptions, the portable products' current versions incorporate in some form the following capabilities and resources: contact management and customer information, data on competing media, access to pertinent demographic data, generation of reports, correspondence, proposals and presentations, e-mail and fax, word processing, spreadsheet, print production information, rates and schedules, display and transmission of spec ads for modification and approval, and **ad order entry**.

Owing to integration of the various software components, data can be shared among many of the applications. Programs or information not included in the systems can be separately loaded, and accessed, on an ad rep's laptop.

Communication capabilities allow members of a mobile sales force to stay in touch - with each other and with servers that link staffers in the field to **ad** production, **billing** and **database** marketing **systems** at the newspaper.

#### THE PLAYERS

All the systems are designed specifically for newspapers. Those from Electronic Data Systems Corp. and Gannett Media Technologies International were developed in partnership with particular customers. Products from Geac Computers Inc.'s VisionShift division and Media Marketing Inc. were outgrowths of the vendors' existing newspaper products. In contrast, that from SoftAd Inc. draws on the company's expertise in creating sales and marketing software for two dozen different industries.

The evolution of what amounts to a new class of products, including its market and its developers, remains unclear. Some reports of talks between vendors remain unconfirmed, but at least one arrangement - a joint marketing and technology sharing agreement - was announced just before Nexpo, where one of the vendors also discussed sales to a competitor's customers, while the competitor disclosed talks with at least two specialty software suppliers.

In the early 1990s, EDS, headquartered in Plano, Texas, undertook a sales force automation project for the New York Times. The idea was to shorten the entire sales process by capturing and managing pertinent information, improving sales staff interaction, reducing in-office time spent on clerical and administrative tasks and enhancing customer contact by putting the information, communication and "paperwork" into software on a portable computer. The project resulted in ASIS, the **Advertising** Sales Information System used at the Times and expected to be adopted soon by the Boston Globe.

"The primary market for . ASIS is very large newspapers," and "primarily" for those using Neasi-Weber's AdMarc **advertising** and **accounts receivable** system, said EDS senior systems engineer John Simmons, who noted EDS's work with New York Times and Los Angeles Times AdMarc specialists. But EDS will customize as needed. (It's working with a **billing** system developed in-house at the Globe.)

"Basically it comes down to what the cost drivers are for a system like this," said Simmons, noting that EDS is prepared to design similar systems for small to mid-size dailies.

EDS showed a prototype of an alternative for the middle market that Simmons called "simpler to implement" and that he said "brought down costs significantly."

The Virtual Sales Office contains the basic, necessary functions, but not all those built into ASIS. Simmons attributed the limitations and simplicity to the VSO's Web browser user interface. It can be made to function with any other Web-compatible system, he said.

At about the time that EDS and the Times were collaborating, the Gannett Co. considered arming its salespeople with laptops.

Within a few years it had its Mobile **Advertising** Sales System, "developed by Gannett for its own properties," said MASS national account manager Bill Farley. It also had a new subsidiary, Cincinnati-based Gannett Media Technologies International, to sell and develop MASS and other products inside Gannett and to other companies.

Gannett originally selected a Maryland company, RWD Technologies, to develop a system to automate an order-entry process that had depended on data entry from handwritten information - errors from which exceeded \$4 million annually, according to Farley.

Gannett realized it also needed to make account information readily accessible, and, said Farley, it believed it could generate more business by allowing sales reps to do their jobs more efficiently and creatively by exploiting newly available research tools.

Today, MASS is used by more than 40 Gannett newspapers and McClatchy's flagship, the Sacramento Bee. At Nexpo, Farley reported GMTI has 10 to 12 "solid prospects" outside the Gannett organization.

Farley maintained that a newspaper using MASS to its best advantage can recoup its cost in about a year from new **ads** or **advertisers** -- although he conceded cost justification is difficult owing to uncertainty that a given **ad** or account might not have been sold without an assist from MASS.

GMTI hopes to beef up MASS with software from other suppliers. While it continues to look for a competitive analysis product, Farley said GMTI "had talks already underway with MultiAd Services" (which packages its own popular products in the new Powerbook-based Multi-**Ad** Sales Edition, a

portable spec ad preparation platform) and soon will be talking to Claritas.

"It's our intent to enter into a business relationship with them," said Farley citing an interest in Peoria-based MultiAd's ReCas for co-op information and Claritas' Prizm for demographic data.

Besides the value of its product, he also noted Claritas' connection to GMTI's parent company: Larry Sackett, president of Claritas Media and Communications Group, was Gannett's database marketing director. Both organizations are based in Arlington, Va.

Some customers, however, already added to MASS on their own. Media Marketing reported sales of its multimedia budget and schedule analysis module to Gannett newspapers. A Media Marketing spokeswoman said the chain's Rochester, N.Y., dailies also use her company's proposal and presentation modules with MASS.

Media Marketing dates from the 1980s, when Paul Theall created what came to be known as The Ad Director, software that quickly generated presentations and proposals with cost comparisons. By 1988, the former Middlesex (Mass.) News advertising executive's Media Marketing Materials, based in Williamsburg, Va., was selling Ad Director to dozens of papers. Abbreviated to Media Marketing Inc. and relocated to Boulder, Colo., the company now counts more than 400 customers, with circulations ranging from under 9,000 to more than a half-million. Software and hardware also changed over the years. Ad Director is now but one component of the imMediate sales automation system. The company said it developed imMediate to put its Ad Director on the road, and redesigned its original product "for face-to-face interactive selling."

When Theall developed Ad Director, however, the nearest thing to a Powerbook was a luggable DynaMac repackaged Macintosh (which a Bell South subsidiary used for showing Yellow Pages spec ads). But as Media Marketing market development manager Amy Ross pointed out, newspaper systems more often run on Windows PCs than Macs. And now, all five vendors have Windows-based systems.

In its new release, MASS is available for both Windows and Mac machines, and Media Marketing introduced at Nexpo a Windows version of imMediate. Its three existing software modules and other applications already have been ported; two remaining modules will soon be released for Mac and Windows. The Windows version's first customer is the company's biggest the Houston Chronicle.

Media Marketing also reached agreement with Geac whereby the companies will share technology for, and jointly market, their Windows-based sales force automation software. Media Marketing gains access to business system data from widely installed Geac systems, and Geac's VisionShift Attache ad sales system acquires capabilities found in Media Marketing's ImMediate software. ImMediate can draw on VisionShift data to customize presentations.

Geac is the latest to offer a product, Attache, for mobilizing ad sales reps and automating their tasks. Originally, the Collier-Jackson subsidiary of H&R Block, its VisionShift division's systems are widely installed at newspapers.

Whereas other systems extract from their servers data that has been passed from other vendors' business systems, Attache is an extension of Geac's own advertising software system, and is capable of working with both the older host-based World Class Series and just-announced client-server VisionShift ad software, according to marketing manager Cheryl Lasse.

Attache can also exploit the company's other assets, making narrowly focused queries of VisionShift Database Marketing, which itself takes information from its **advertising** and circulation systems and from public and private third-party sources.

Though new to Nexpo, SoftAd brought long and broad experience in the field. Eleven years ago, the employee-owned Mill Valley, Calif., firm began creating multimedia sales and marketing software now used by 150 customers in 13 languages across a variety of industries. Its 10 integrated application modules brought together under the SalesExcelerator trade name can be tailored to specific industries and customized for each client.

For its Nexpo debut, SoftAd showed Media SalesExcelerator, following initial sales last year to two unnamed, small to mid-sized Knight-Ridder dailies and, more recently, to Oklahoma City's 220,000-circulation Daily Oklahoman.

#### THE PRODUCTS

In general, the five suppliers rely on database servers at the newspaper and Windows/Mac clients on the laptop. The servers draw information from existing business systems, management reports, outside sources and data input by the sales staff.

To varying extents, separate client software modules, including integrated standard office applications, can speed reps' tasks by automatically exchanging information. Users can often create lists of standard questions for customers. In cases where hardcopy output cannot be prepared in advance and connections to customers' printers cannot be counted on, reps can output documents on site by sending from laptops to local fax machines. Brief outlines of the systems follow. SoftAd: Media-SalesExcelerator's database organizes information into Sales and Customer Libraries. Sales holds images, research data, videos, media kits, rates and other resources. Customer is filled with all pertinent **advertiser** and prospect data, including ad and business histories -- versions of which for each customer are kept on ad reps' laptops, which update the system with every connection to the database.

Principal component modules, added as needed, include messaging; time-management and to-do utilities; access to the latest customer information; detailed consulting sessions to identify and address customer goals; ad transmission, display and annotation (a more graphical circle-and-arrow approach is being considered); goal forecasting and tracking of contacts and expenses; insertion order scheduling and submission; competitive media analyses and strategies; calculation of rates for all **combinations** and schedules; customized correspondence, categorically prepared or custom-created proposals and graphical presentations.

The sysem's use of SIC codes automatically prevents adjacent printing of competitors' ads .

Complementary WebExcelerator with internal newspaper routing capability allows customers to obtain or send information and approve ads at any hour over an Internet link.

Software development vice president Pat Ryall said users are given tools to help move database marketing information into the server and to incorporate information from third-party systems into presentation slides. A newspaper can also add its preferred geographical information system, according to business development vice president Karen Kari. In addition to standard support and services, AdSoft can perform needs analysis and content development.

EDS: Built around a custom clientserver front end and Lotus Notes, ASIS began with contact- and account-management functions and extraction of **billing system** information. Other information stored and indexed by ASIS includes rate cards, products, mechanical specifications and deadlines, circulation figures, demographic and psychographic data. Systems engineer Simmons noted that data on competitive media also can be loaded into the system.

To keep staff in touch, ASIS provides e-mail and fax and supports bulletin boards. It contains a report library and materials for creating and modifying proposals and presentations.

EDS is at work on a simpler, less expensive intranet-based solution. Its Virtual Sales Office also taps a back-end **database management system** fed by **billing systems** and other sources, from which ad hoc reports can be generated and distributed. VSO provides links to a Yellow Pages Web site for quick online reference and to the NewsEdge personalized multiple wire feed for fast access to company and general business information.

While a presentation library can be created using PowerPoint, Netscape plug-ins are available to create presentations and sample **ads** on screen (and submit them online).

Geac: Attache uses the Microsoft NT/SQL Server and was built around the Microsoft Access relational database on the laptop. Like other systems, it uses PowerPoint and its Microsoft Office partners, to which database query results can be passed.

**Ad** history, quoting, rating and flexible charting capabilities can be used for what-if analyses, proposals and presentations; letters can be generated for a selected mailing list; spec **ads**, layouts and proofs can be reviewed with customers, annotated for changes, then transmitted to the newspaper; information can be communicated among all staffers, group scheduling automated, calendar views customized and automatic time/date reminders set up.

Marketing manager Cheryl Lasse said data-entry errors and staff are both reduced because the system will not quote a rate or deliver other information without complete information. Attache was introduced at about the same time as the client-server VisionShift **ad** system and an NT version of Geac's database marketing system.

The first announced Attache customer is the Geac division's hometown paper, the Tampa Tribune.

GMTI: Various MASS applications, including spreadsheet, word processor, email and presentations, tend to be off-theshelf products, and GMT will build the system to suit a customer's approach to planning. Customers can also supply their own applications, including a research component.

Besides the product's planning, information management, research data access, pricing, proposal, presentation, communication and order-entry capabilities, GMTI emphasized the help that sales reps can lend customers by using a module that plans coop **advertising**.

Virtual **Ad** Space in version 2.0 for Macintosh and Windows shows pick-up and spec **ads** on mock newspaper pages for realistic display and possible upsell. The new version simplifies the configuration process so that users can maintain and modify their systems

It also uses Omnis 7 SQL database, which the company said it has so far



programmed to download data from Gannett's own in-house **ad billing system** and from at least three commercial business systems. While it said downloading account information is neither difficult nor expensive, GMTI conceded that uploading order-entry data is somewhat more complicated.

Media Marketing: ImMediate uses an in-house expert metaphor for its principal applications, each of which contains several sub-modules. "When the sales reps goes out," said Media Marketing spokeswoman Wendy Canavan, "it's like taking these experts with them" Papers can buy the modules they need, and add others later to the customizable system.

Sales Assistant aids interviews through intelligent prompting, creates customer profiles, extracts business system data, updates the calendar and lists, handles reports, letters and electronic messages; Research Manager delivers information on a market and media competitors in various forms; Media Analyst determines efficient buys in competing media; Ad Director works up **ad** plans, accounting for budget, schedule and co-op availability, complete with readership, cost and sales data, maps, geographical analysis and preprint proposals, and creates and transmits insertion orders; Creative Director helps create simple campaign plans, works on spec **ads**, shows production **ads** and changes, and refines the Interviewer module within Sales Assistant.

Market development manager Amy Ross confirmed that ImMediate on a Mac allows a spec **ad** or changes to be transmitted to a newspaper artist, who can bring up that image alongside the production image to create or change an **ad** as indicated, rather than relying on typed messages or spoken descriptions.

The vendor said it can convert its installed Mac-based systems to Windows at a cost that varies with the amount of stored data. Where necessary, the company said it rekeys all of a newspaper's circulation and **ad** system information from paper printouts.

ImMediate includes facilities that, with some advance setup, allow for fast creation of additional graphed pages within Research Manager.

THIS IS THE FULL-TEXT. Copyright Editor & Publisher Inc 1996

COMPANY NAMES:

SoftAd Group

Electronic Data Systems Corp (DUNS:04-666-7523)

Geac Computer Corp Ltd (DUNS:20-629-0769)

Media Marketing Inc

Gannett Media Technologies Inc

GEOGRAPHIC NAMES: US

DESCRIPTORS: Newspapers; Sales management; Salespeople; Software packages; Portable computers; Manycompanies; Product introduction

CLASSIFICATION CODES: 9190 (CN=United States); 8690 (CN=Publishing industry); 7300 (CN=Sales & selling); 5240 (CN=Software & systems); 7500 (CN=Product planning & development)

19/7/1 (Item 1 from file: 16)  
DIALOG(R) File 16:Gale Group PROMT(R)  
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07209763 Supplier Number: 59676074 (THIS IS THE FULLTEXT)

**On the supply side. (Brief Article)**

Editor & Publisher, p49

Feb 21, 2000

TEXT:

**Prepress**

Group West Systems California Ltd., Auburn, Calif., announced Nova Connex XML Server, a two-way transaction server for providing consumer/business-to-business information exchange. The server enables publishers to integrate business systems or Web servers with classified advertising or editorial front-end systems, working with any database and with any XML-document-type definition to ensure compatibility with emerging cross-media classified and news markup standards. Web-based remote client applications permit private-party ad costing and h&j, advertiser/agency account management, and reporting tools.

Earlier, The Cincinnati Enquirer installed Nova's FaxAction inbound fax/OCR system, (compatible with its SII classified front end), as did the Sioux Falls, S.D., Argus Leader, Rochester (N.Y.) Democrat and Chronicle, and, through SII, the San Gabriel Valley (Calif.) Tribune. Tribune-Review Publishing Co., parent of dailies in Pittsburgh and Greensburg, Pa., and operator of the PittsburghLive Web site, bought Nova's AutoBase inventory and online transmission system (for Web and print).

**Software Consulting Services**, Nazareth, Pa., put Tera's Good News integrated editorial and pagination system with Tark archiving and SCS Layout-8000 ad dummyping, **AdMax Classified** order-entry and credit-management modules, and ClassPag pagination into Lehman Communications' Longmont Daily Times-Call (56 news workstations) and Loveland Daily Reporter-Herald, both in Colorado.

SCS also put Tark and GoodNews onto the desktops and laptops of 50 journalists and paginators at the Kingsport (Tenn.) Times-News, where it also installed SCS/Track, to monitor Mac-based ad production, and Layout-8000, integrated with a Geac (C-J) business system.

Other GoodNews and ad systems customers included The Patriot Ledger, Quincy, The Enterprise, Brockton, and the Memorial Press Group weeklies - all Newspaper Media LLC properties in Massachusetts - and New York's Spanish-language El Diario/La Prensa.

**Output**

GRIPdigital Inc., Western Springs, Ill., offers the CCDot hand-held dot meter from Centurfax Ltd., New Barnet, United Kingdom. Auto-calibrating CCDot measures and displays dots on film, paper, and plates with complementary lighting to ensure accurate measure of all colors. CCDot is available in three models, with versions and options for each. CCDot3 offers all capabilities and optional transmission or reflection densitometry. "At Drupa, we'll be delivering one for flexo," said GRIPdigital President Greg Imhoff.

The viewer shows dots, patterns, and platemaking artifacts, and reports percentage dot (the CCD scanning array counts pixels rather than reading density), screen ruling and angle. Software includes ImageLink, to view and measure plates on a PC or Mac and save reference files, and KeyMagic, to transfer numeric values into a RIP calibration set-up or other application.

**Pressroom**

Rockwell Automation, Milwaukee, is installing Allen-Bradley 1395 digital DC drives to control running-belt reelstands and to replace existing main drives on all Los Angeles Times' presses, and is upgrading the press controls to its PrintLogix system to control and monitor ink, water, and print registration. It is the first installation of PrintLogix on Goss Colorliners.

Presses in the Orange County plant are the first to get the new

Microsoft NT-based controls, including consoles with PressView operator interface and PlantView supervisory control, auto-imposition, and data-acquisition functions. The configuration includes an extra operator workstation as backup to the master press console. Within the overall design is integrated a presswide ControlLogix controller for good-copy and waste counts, web-break detection, roll mileage, tension monitoring, ink-change logging, and other auxiliary functions.

Wifag, Bern, Switzerland, received an order for fully shaftless extensions to its already-upgraded OF 7 presses at Rizzoli, publisher of Corriere della Sera and Gazzetta dello Sport, Italy's best-selling news and sports dailies. In the first of two phases, each of the three presses that print Corriere will be extended with an OF 370 five-high tower and two "Combi" turner bars. Each of the two other OF 7s, which produce the Gazzetta, will simultaneously be extended with a new PR 2/C autopaster.

In the second phase, each Corriere press will get a second OF 370 five-high tower, initially configured with seven printing couples, allowing reallocation of two sets of two existing couples to the two web presses that print the Gazzetta, yielding a higher page count without losing color. Besides the 700,000 Corriere and 445,000 Gazzetta copies, 750,000 supplements are printed daily.

#### Post-press

Muller Martini Corp., Hauppauge, N.Y., sold The Times-Picayune, New Orleans, two 14,000 copy-per-hour Model 300 TV program stitching lines with Rapido compensating stackers - upgrades from its older Muller Martini stitchers. The new lines will produce the Mardi Gras magazine section, "TV Focus," a real estate guide, and ad supplements.

The Model 300 folds, stitches, trims, and delivers product ready for distribution or inserting. It can be used for commercial work such as coupon books, shoppers, directories, guides, tabs, and special-interest books. Preprints can be quarter folded and, by incorporating several folder feeders, inserts can be combined into packages for total market coverage programs.

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25/3,K/1 (Item 1 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01825944 04-76935

**The digital dilemma: Ten challenges facing minority-owned new media ventures**

Ford-Livene, Marcelino

Federal Communications Law Journal v51n3 PP: 577-608 May 1999

ISSN: 0163-7606 JRNL CODE: FCL

WORD COUNT: 12855

...TEXT: television sets, through satellite or terrestrial wireless devices, or through phone company technology such as **digital subscriber lines (DSL)**.

A. Bandwidth Policy and the Telecommunications Act of 1996 Section 706 of the... access, proper training and adequate hardware and software maintenance are crucial to participating in the **digital information** age.

Given the well-publicized gap between those who are connected to the Internet and... must be a part of their strategy for making money. To rely solely on an **advertising** model is risky and impractical given the growing number of Web users looking to shop...

... There are, however, many challenges associated with selling products online. Merchandise, vendors, inventory, merchant accounts, **electronic payment systems**, security, encryption, privacy, sales taxes, distribution and fulfillment, **database** programs, and **customer** satisfaction are a few of the issues and challenges facing MNVs that create online stores...

25/3,K/2 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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06219806 SUPPLIER NUMBER: 13277508 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**U.S. mergers and acquisitions. (The M&A Rosters: First Quarter 1992)**

Mergers & Acquisitions, 27, n1, 65(69)

July-August, 1992

ISSN: 0026-0010

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 79730 LINE COUNT: 07395

... Its K-III Holdings Inc. affiliate was formed to acquire and manage business in the **publishing**, information, and media fields. Its group of companies includes Intertac Publishing Corp., Macmillian Book Clubs...

Terms: Philips Publishing acquired Open Systems Communications from Omnicorn for an undisclosed consideration. Principals: Philips **Publishing** is one of the largest newsletter **publishers** in the country. It publishes more than 50 business and consumer newsletters and a variety...which is owned by private investors led by Wildwood Corp. of New York and the **management** of Alliance Carolina Tool & Mold division. The Alliance Carolina Tool & Mold division of Gleason is...printer products include serial dot and line printers using matrix impact technology, shuttle line matrix **printers**, and nonimpact **page printers** using laser technology. Rastek is a privately held engineering and product development company specializing in raster imaging, used in the translation and creation of images for nonimpact **printing** and other applications. It will operate in the U.S. as a subsidiary of Genicom...markets its products directly to businesses, government agencies, universities, and the general public mainly through **advertisements** in personal computer and trade publications. It also engages in the assembly of electronics products...

into in RELM. RELM Communications, formerly named Regency Electronics Inc., manufactures electronic communications equipment and **digital data** communications products. It also makes subsystems and base station components. It operates plants in Indiana...devices and will enable them to offer the merchant T1/EL and High Bit-Rate **Digital Subscriber Line** (HDSL) market a full range of communication de vices. Products will be manufactured by...Principals: American Express is a diversified holding company. Its interests include financial and travel services; **charge** cards; travelers **checks** ; international, private, and investment banking; information services; brokerage; life insurance; private financial planning; and asset...markets its long-distance telephone services mainly through personal solicitation of targeted commercial subscribers and **advertisers** using radio, television, print media, and mass mailings. Shared Use Network Systems provides long-distance...

**31/3,K/1 (Item 1 from file: 15)**  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2001 Bell & Howell. All rts. reserv.

01294860 99-44256  
**Customer knowledge is power**  
Modisette, Lisa; Huson, Steve  
Cellular Business v13n9 PP: 92-100 Sep 1996  
ISSN: 0741-6520 JRNL CODE: CLB  
WORD COUNT: 2427

...TEXT: receive and manipulate numerous pieces of data in a variety of ways. Unlike a transactional **database**, such as a **billing systems database**, a data warehouse is set up for decision support for marketing, sales, finance and customer...first way is by geography. Demographic data is inexpensive and can be overlaid onto the **customer billing address** data, giving accurate profiles of wireless users' neighbors who are likely to have similar characteristics...

**31/3,K/2 (Item 2 from file: 15)**  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2001 Bell & Howell. All rts. reserv.

01149976 97-99370  
**Intelligent networks - The key to advanced telephony services**  
Pettersson, Gunnar  
Telecommunications (International Edition) v29n12 PP: 55-61 Dec 1995  
ISSN: 0040-2494 JRNL CODE: TIE  
WORD COUNT: 2669

...TEXT: acts as the overall service management entity and also covers features related with statistics and **customer billing**.

One **additional** component often appears in AIN diagrams is the adjunct, which is basically the same as...requiring the computer to be able to run all types of application enablers, such as **databases**, **accounting** software and communication protocols.

Several communications stacks and interfaces are indeed necessary, the most important...

**31/3,K/3 (Item 3 from file: 15)**  
DIALOG(R)File 15:ABI/Inform(R)  
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01117671 97-67065  
**DOS-based accounting software for small businesses**  
Haas, Amy Diller  
CPA Journal v65n11 PP: 30-37 Nov 1995  
ISSN: 0732-8435 JRNL CODE: CPA  
WORD COUNT: 2660

...TEXT: intricate decisions be made in respect to printing orders, picking slips, packing slips, invoices, and **customer statements**. In **addition**, multiple options for customized reports and graphs further complicate the setup process. A very good...

...DESCRIPTORS: **Automated accounting systems**

**31/3,K/4 (Item 4 from file: 15)**

DIALOG(R)File 15:ABI/Inform(R)  
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01026047 96-75440

**A system for the future**

Anonymous

Telephony v228n17 PP: 86-88 Apr 24, 1995

ISSN: 0040-2656 JRNL CODE: TPH

WORD COUNT: 543

...TEXT: to-the-minute bills on TV screens or personal computer monitors;  
and separate or consolidated **billing** for service groups.

A relational **database** architecture eliminates the need for a separate  
database for each service. The "service group" concept...

... electronic funds transfer methods, direct debit and GIRO, a European  
payment and banking system. In **addition**, Intelecable allows **customer**  
**billing** statements to be printed on site or at a fulfillment facility.

The system was developed...

**31/3,K/5 (Item 1 from file: 16)**

DIALOG(R)File 16:Gale Group PROMT(R)

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06593704 Supplier Number: 55573537 (USE FORMAT 7 FOR FULLTEXT)

**reSOURCE PARTNER Signs with Westcorp Software Systems, Inc. for Secure  
Web-Enabled Payment Product.**

Business Wire, p0020

August 27, 1999

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 626

... work we're doing in the Internet arena, such as employee  
self-serve, reporting, and **customer billing**," added Schatzman.

More about Westcorp Software Systems, Inc.

Westcorp Software Systems Inc., headquartered in Norcross, Georgia...

...industry in 1989. The company addressed many of the traditional delivery  
issues in 1993, by **electronically** distributing **payments** for many of the  
nation's largest companies. With WSS Mastermind products, Westcorp has led  
...

36/3,K/1 (Item 1 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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00784133 94-33525

**Interactive multimedia: A tool for government transformation**  
Barbee, David E; Lowenstein, Ronnie B  
Information Resources Management Journal v6n4 PP: 4-13 Fall 1993  
ISSN: 1040-1628 JRNL CODE: RMJ  
WORD COUNT: 5087

...TEXT: 000. As with all new systems, they are not as easy to use as the  
**advertising** would lead us to believe.

If you were operating a multimedia computer right now, instead...our  
information age tasks. Some agencies are already positioning themselves for  
the future:

\* The General **Accounting** Office is developing an **automated** report  
development system. It may be considering multimedia capabilities, but due  
to costs may reserve...a multimedia communication;

\* the user needs to experience sound, motion, stills, graphics, text or  
other **digital information** in some **combination** ; and  
\* people need information, performance support and learning in the day to  
day performance of...

36/3,K/2 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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06589509 Supplier Number: 55558405 (USE FORMAT 7 FOR FULLTEXT)  
**Clearnet Q2 1999 Results. Network Revenue Growth Exceeds 100%. (Company  
Financial Information)**  
Cambridge Telecom Report, pNA  
August 23, 1999  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 5170

... Expenditures 71,668,000 79,564,000 120,974,000 126,290,000

Other Data:

**Digital data** represents **combined** Mike and PCS results.

3 Months Ended June 30, 6 Months Ended June 30,  
-----

1999...business since the start of the build  
of its digital networks in October 1994, including **billing** and  
commissioning **systems** , and switch and network operating systems. In  
addition, a new enterprise-wide financial and planning...6

Marketing expenses consist of commissions and other distribution  
channel compensation expenses, as well as **advertising** and promotion  
expenses, for both analogue and digital services. Marketing expenditures do  
not include the...

...which includes digital handset subsidies as well as digital marketing  
expenses such as commissions and **advertising** & promotion expenses) was  
\$594, \$588 and \$607, respectively, for the quarters ended



36/3,K/3 (Item 2 from file: 16)  
DIALOG(R) File 16:Gale Group PROMT(R)  
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06551603 Supplier Number: 55401541 (USE FORMAT 7 FOR FULLTEXT)  
**Clearnet Announces Second Quarter 1999 Results Network Revenue Growth Exceeds 100%.**  
PR Newswire, p8916  
August 10, 1999  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 5316

...  
Expenditures 71,668,000 79,564,000 120,974,000 126,290,000

Other Data:  
**Digital data** represents **combined** Mike and PCS results.

3 Months Ended June 30, 6 Months Ended June 30

-----  
1999...business since the start of the build of its digital networks in October 1994, including **billing** and commissioning **systems**, and switch and network operating systems. In addition, a new enterprise-wide financial and planning...6

-----  
Marketing expenses consist of commissions and other distribution channel compensation expenses, as well as **advertising** and promotion expenses, for both analogue and digital services. Marketing expenditures do not include the...

...which includes digital handset subsidies as well as digital marketing expenses such as commissions and **advertising** & promotion expenses) was \$594, \$588 and \$607, respectively, for the quarters ended

36/3,K/4 (Item 3 from file: 16)  
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01891211 Supplier Number: 42404274 (USE FORMAT 7 FOR FULLTEXT)  
**CUTTING EDGE: Getting Medical Charts Online**  
Marketing Computers, v0, n0, p4  
Oct, 1991  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 742

... Richard Dick, who headed the IOM report panel. They are distinct from the less-complex **billing** and tracking **systems** now commonly used by hospital administrators.

Ideally, through a **combination** of structured and **digitized data** and free text, patient care systems would allow physicians to chart a patient's progress...

INDUSTRY NAMES: ADV (**Advertising**, Marketing and Public Relations); BUSN (Any type of business); CMPT (Computers and Office Automation)

36/3,K/5 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
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09201313      SUPPLIER NUMBER: 19021995      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Tech tag team enables network color printing. (high-speed color copier  
combines with RIP color server) (includes related article on Jet  
Propulsion Laboratory's digital copier/color server system) (Technology  
Information)**  
Adams, Eric J.  
MacWEEK, v11, n2, p27(3)  
Jan 13, 1997  
ISSN: 0892-8118      LANGUAGE: English      RECORD TYPE: Fulltext; Abstract  
WORD COUNT:    2397      LINE COUNT:    00185

...      perhaps, more easily. Indeed, that was the problem faced daily by  
Faith Sikes, director of **advertising** at Watkins Motor Lines in Lakeland,  
Fla. The company recently purchased a Canon copier served...40-ppm Kodak  
DocuColor 40.

All models come with software tools for spooling, scanning, job  
**accounting**, color and network **management**. EFI recently announced support  
for the SGI Indigo digital offset color presses and wide-format...the  
Cyclone software.

"Some prints are very high-resolution digital images with extremely  
close color **matching** required in the **digital data**," Beener said.  
"Others are digital images of extremely small nanotechnology devices blown  
up into highly..."

**36/3,K/6      (Item 2 from file: 148)**  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2001 The Gale Group. All rts. reserv.

05538938      SUPPLIER NUMBER: 11532633      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Getting medical charts online. (computerizing patient records)**  
Rand, Ted  
Marketing Computers, v11, n10, p4(1)  
Oct, 1991  
ISSN: 0895-5697      LANGUAGE: ENGLISH      RECORD TYPE: FULLTEXT  
WORD COUNT:    774      LINE COUNT:    00063

...      Richard Dick, who headed the IOM report panel. They are distinct  
from the less-complex **billing** and tracking **systems** now commonly used by  
hospital administrators.

Ideally, through a **combination** of structured and **digitized data**  
and free text, patient care systems would allow physicians to chart a  
patient's progress...

INDUSTRY CODES/NAMES:    ADV    **Advertising**, Marketing and Public Relations  
...

**36/3,K/7      (Item 3 from file: 148)**  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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01893412      SUPPLIER NUMBER: 02955088      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Office systems for the eighties: automation and the bottom line. (**  
**advertising supplement)**  
Fortune, v108, p89(29)  
Oct 3, 1983  
ISSN: 0015-8259      LANGUAGE: ENGLISH      RECORD TYPE: FULLTEXT  
WORD COUNT:    12076      LINE COUNT:    00985

Office systems for the eighties: automation and the bottom line. (advertising supplement)

37/TI/1 (Item 1 from file: 16)  
DIALOG(R)File 16:(c) 2001 The Gale Group. All rts. reserv.

**Miami Computer Supply Corporation and Electronic Image Systems, Inc.  
Announce Definitive Merger Agreement**

37/TI/2 (Item 2 from file: 16)  
DIALOG(R)File 16:(c) 2001 The Gale Group. All rts. reserv.

**POLAROID INTRODUCES FULL LINE OF LCD PANELS**

37/TI/3 (Item 3 from file: 16)  
DIALOG(R)File 16:(c) 2001 The Gale Group. All rts. reserv.

**NEW PLAYERS PAVE WAY WITH SOLUTIONS**

37/TI/4 (Item 1 from file: 160)  
DIALOG(R)File 160:(c) 1999 The Gale Group. All rts. reserv.

**NEW PRE-PRESS IMAGING WORKSTATION SYSTEM TO BE INTRODUCED AT CMM7 SEPTEMBER  
11 - 14, 1989**

37/TI/5 (Item 1 from file: 148)  
DIALOG(R)File 148:(c)2001 The Gale Group. All rts. reserv.

**Miami Computer Supply Corporation and Electronic Image Systems, Inc.  
Announce Definitive Merger Agreement**

37/TI/6 (Item 2 from file: 148)  
DIALOG(R)File 148:(c)2001 The Gale Group. All rts. reserv.

**PCI slate continues to grow. (Peripheral Component Interconnect)**

37/TI/7 (Item 1 from file: 268)  
DIALOG(R)File 268:(c) 2001 Bell & Howell. All rts. reserv.

**Electronic imaging**

37/TI/8 (Item 2 from file: 268)  
DIALOG(R)File 268:(c) 2001 Bell & Howell. All rts. reserv.

**Imaging helps increase efficiency of trust department**

42/3,K/1 (Item 1 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01402770 00053757

Web readies wares for online "shopaholics" but security concerns keep them  
turned off

Borg, Kim

Computer Technology Review v17n3 PP: 1, 6+ Mar 1997

ISSN: 0278-9647 JRNL CODE: CTN

WORD COUNT: 1956

...TEXT: A Fair Exchange

InterNex Information Services (Santa Clara, CA) makes use of CyberCash's  
Internet **payment** setup in its **electronic** exchange system. PowerCommerce  
Clearinghouse--a secure business-to-business environment for the purchase  
and delivery of **digital information** --**combines** encryption (ZipLock  
from Portland Software), information management (from Oracle), and  
internetworking technologies.

This product helps...

46/3,K/1 (Item 1 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2001 Resp. DB Svcs. All rts. reserv.

02431025 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Cybercash trumpets InstaBuy**

(Cybercash has introduced new ads on cable channels explaining how its InstaBuy electronic commerce payment system works)

Advertising Age, v 70, n 16, p 23

April 12, 1999

DOCUMENT TYPE: Journal ISSN: 0001-8899 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 182

(USE FORMAT 7 OR 9 FOR FULLTEXT)

(Cybercash has introduced new ads on cable channels explaining how its InstaBuy electronic commerce payment system works)

**TEXT:**

Try explaining in 60 seconds how an **electronic commerce payment** system works. That was the challenge behind commercials from Cybercash that broke last week.

The...

...shopping service," said Ken Perez, senior VP marketing at Cybercash, a company tat specializes in **electronic payment** systems.

The :30 and :60 are part of a \$2.5 million campaign created by...

46/3,K/2 (Item 2 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
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02355802 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Columbine JDS**

(Columbine JDS has introduced a Web based invoicing system, named Open-Protocol Spotdata, which lets advertising agencies download invoice information from broadcasters)

Response, v 8, n 4, p 24

January 1999

DOCUMENT TYPE: Journal; News Brief ISSN: 1077-5439 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 66

(USE FORMAT 7 OR 9 FOR FULLTEXT)

(Columbine JDS has introduced a Web based invoicing system, named Open-Protocol Spotdata, which lets advertising agencies download invoice information from broadcasters)

**TEXT:**

Columbine JDS, Denver, has launched Open-Protocol Spotdata. This Web-based **invoicing** system allows advertising agencies to **electronically** download **invoice** information from broadcasters in a generic format that can be used with computerized media systems...

46/3,K/3 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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07358641 Supplier Number: 59043629 (USE FORMAT 7 FOR FULLTEXT)  
**Media buyer calls off paper chase;Slows switchover to electronic ad**

invoicing system. (Brief Article)  
Chief, JON LAFAYETTE New York Bureau  
Electronic Media, v18, p3  
Nov 8, 1999  
Language: English Record Type: Fulltext  
Article Type: Brief Article  
Document Type: Magazine/Journal; Trade  
Word Count: 409

Media buyer calls off paper chase; Slows switchover to electronic ad  
invoicing system. (Brief Article)  
... be satisfied to get letters from the station laying out their  
timetable for installing an **electronic invoicing** system. She estimated  
only about 100 of 1,200 TV stations do **electronic invoicing** now.  
"I hope we'll get 1,100 letters or increase the number of stations  
**invoicing electronically**," Ms. Crawford said.  
Making the process electronic would be "a win-win for everyone," she

...  
...firms asked Ms. Crawford what the quid pro quo will be for stations  
investing in **electronic invoicing**.  
"We asked her to look into whether she could commit to some sort of  
accelerated payment schedule for non-discrepant **invoices** received  
**electronically**," he said. "If she's willing to do that, she's going to  
have a...

...shouldn't degenerate into that," he added.  
The industry has been working on systems to **electronically** send  
orders, contracts and **invoices** from buyer to rep to station to buyer for  
years, but there have been problems...

...be very substantial advancements in this area by July 1 of 2000," he  
said, and **electronic invoicing** is just a small component of a total  
electronic system.

46/3,K/4 (Item 2 from file: 16)  
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06677884 Supplier Number: 55898695 (USE FORMAT 7 FOR FULLTEXT)  
**NetGravity and YourAccounts.com(SM) Bring Advertising and Promotions To**  
**Electronic Billing and Statement Presentment.**  
PR Newswire, p5409  
Sept 29, 1999  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 620

**NetGravity and YourAccounts.com(SM) Bring Advertising and Promotions To**  
**Electronic Billing and Statement Presentment.**  
... leader in interactive marketing management solutions, and  
**YourAccounts.Com**, a leading innovator and provider of **electronic billing**  
and statement presentment, today announced a solution capable of giving  
advertisers and billers an interactive...

...direct marketing to their customers.  
e.bill.anywhere(SM) and Informa(SM), **YourAccounts.Com's electronic**  
**billing** and statement presentment product families, have integrated  
**NetGravity's** Internet advertising software solution to manage...  
...by selling advertising space on their electronic bills to third parties.  
"The real upside with **electronic billing** resides in proactive  
marketing to customers in a Web-based environment," said Tom Roberts, vice  
...

46/3,K/5 (Item 3 from file: 16)  
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06154209 Supplier Number: 53950779 (USE FORMAT 7 FOR FULLTEXT)  
**Navitec Launches Internet Invoicing System for Columbine JDS;  
Spotdata.com Brings Paperless Billing to the Broadcast Advertising  
Industry.**  
PR Newswire, p7973  
Feb 25, 1999  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 550

(USE FORMAT 7 FOR FULLTEXT)  
**Navitec Launches Internet Invoicing System for Columbine JDS;  
Spotdata.com Brings Paperless Billing to the Broadcast Advertising  
Industry.**  
TEXT:  
...service gives advertising agencies, media buyers and in-house agencies  
the ability to securely download **electronic invoices** over the Internet  
from broadcasting and cable companies. These advertising agencies and media  
buyers can...  
... announced the service is clear evidence of the broadcast and cable  
industries' growing commitment to **electronic invoicing** ," said Wayne  
Ruting, Columbine JDS president and CEO.  
Since CJDS announced plans to launch Spotdata...  
...secure than many online banking applications."  
Market research firm Killen & Associates estimates that switching to  
**electronic invoicing** could save companies \$8 billion annually by 2001.  
With companies like MCI, FirstUSA, AT&T...

46/3,K/6 (Item 4 from file: 16)  
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05701307 Supplier Number: 50150811 (USE FORMAT 7 FOR FULLTEXT)  
**SeaChange Traffic and Billing System Supports Time Warner  
Communications' Diverse Ad Revenue Streams**  
PR Newswire, p707NETU033  
July 7, 1998  
Language: English Record Type: Fulltext  
Article Type: Article  
Document Type: Newswire; Trade  
Word Count: 512

**SeaChange Traffic and Billing System Supports Time Warner  
Communications' Diverse Ad Revenue Streams**  
... billing solution to cable television ad sales from  
SeaChange International, Inc. (Nasdaq: SEAC).

A SeaChange **digital ad insertion customer** since 1996, Time Warner  
Communications is taking a single-vendor approach for optimal performance  
of...

46/3,K/8 (Item 1 from file: 148)



DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2001 The Gale Group. All rts. reserv.

06133036 SUPPLIER NUMBER: 12632897 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
ADS overtakes independent firms in percentage of agency locations.  
(Agency Data Systems; accounting systems)  
Godwin, Nadine  
Travel Weekly, v51, n74, p1(3)  
Sept 14, 1992  
ISSN: 0041-2082 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 840 LINE COUNT: 00065

ADS overtakes independent firms in percentage of agency locations.  
(Agency Data Systems; accounting systems)  
... ahead of each of the other CRS-sponsored products, it now accounts  
for slightly more automated accounting installations than all  
independent vendors combined.  
The Sabre-affiliated product accounts for 38.2% of...

...four years.  
In 1988, 41% of respondents told the Louis Harris interviewers that  
they had automated the accounting at their offices; that year, totals  
provided by ,the vendors produced a back-office automation...

46/3,K/9 (Item 2 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2001 The Gale Group. All rts. reserv.

05093434 SUPPLIER NUMBER: 09387218 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
How to create an effective advertisement. ( Management of an Accounting  
Practice.)  
Granat, Jay P.  
CPA Journal, v61, n1, p68(2)  
Jan, 1991  
ISSN: 0732-8435 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 1161 LINE COUNT: 00094

How to create an effective advertisement. ( Management of an Accounting  
Practice.)  
... first line does not stand out from all the other pieces of  
communication on a printed page , and "stop the reader in his or her  
tracks ," your advertising dollars will have gone to waste.  
Headlines that show people how to make money and...

46/7/7 (Item 5 from file: 16)  
DIALOG(R) File 16:Gale Group PROMT(R)  
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05701304 Supplier Number: 50150808 (THIS IS THE FULLTEXT)  
**SeaChange Cable Advertising Traffic and Billing System Now Available  
for General Order**  
PR Newswire, p707NETU032  
July 7, 1998

TEXT:

Cable TV Operators Leverage Single Vendor for Tightly Integrated Ad Sales  
Management and Digital Insertion

CAB Booth 430

MAYNARD, Mass., July 7 /PRNewswire/ -- Cable television operators are streamlining their entire advertising sales, traffic and billing operations with the SeaChange Advertising Management System, now available for general order in the U.S. from SeaChange International, Inc. (Nasdaq: SEAC). Developed by the cable industry's leader in digital advertising systems, the SeaChange Advertising Management System is a complete hardware and software solution for managing the logistics and finances of cable advertising.

"With years of dedicated cable advertising product development and close customer involvement, we bring to market a superior traffic and billing system that empowers cable operators by supporting the unique opportunity of multichannel, multi-zone advertising," said Bill Styslinger, president and CEO, SeaChange International, Inc. "Like our digital insertion solutions, Advertising Management shows our commitment to apply SeaChange engineering expertise to cable operators' ad business."

The broad range of Advertising Management System customers includes among others Charter Cable (Los Angeles), DirectLink of Oregon (Canby, Ore.), East Carolina Media Partners (Rockmount, N.C.), Intermountain Cable (Harold, Ky.), Media One (Fresno, Calif.), Time Warner Communications (Orlando), and the National Digital Television Center (Littleton, Colo.).

The SeaChange Advertising Management System supports all ad revenue streams. Whether an advertising strategy encompasses spots, infomercials, classifieds, long-form or local tagging of national spots, operators need only work with one solution combining software, hardware and support from a single vendor.

"We chose SeaChange after a four-year search for a financially strong traffic and billing provider who is absolutely committed to the technology," said Richard Lewis, operations manager, Time Warner Communications, Orlando, Fla. "In that time, we saw SeaChange recruit the engineering and support talent necessary to make their solution viable, all while building formidable expertise in developing complementary digital advertising systems."

The SeaChange Advertising Management System combines dynamic spot scheduling, integration with the SeaChange Spot digital insertion system, and a battery of customizable management reports to enable cable operators to achieve maximum 'book-to-bill' ratios, accurately evaluate sales performance, and deliver verifiable billing information to customers while consistently maintaining the highest possible margins. Additionally, the system integrates tightly with the SeaChange Spot digital insertion system, allowing cable TV operators to work with SeaChange for optimal performance of their entire ad operations.

"The product is designed to work the way we work. We desire a lot of format options and the system is Windows-based, so everyone's more familiar with it," said Mercedes Costales, the National Digital Television Center's supervisor of spot insertion for the PrimeStar DBS Service. "Since going to SeaChange, we believe we're working with a company that responds to its customers."

The Windows NT-based Advertising Management System includes a PC

workstation running the Advertising Management Server, a Microsoft SQL **database** to **track** traffic and **billing** parameters and spot performance. An additional PC includes the Advertising Management Job Manager software for spot scheduling and reporting, and the Advertising Management Client interface for data entry and retrieval. All system components are scalable for growth with the ad sales organization. Time required for site integration is minimized since SeaChange builds most of the **database** according to **customer** preference prior to shipping the system. SeaChange also backs the system with a phased training program to take customers from installation through the first billing period.

#### Pricing

Per-site pricing for the Advertising Management System hardware and software is based on the number of advertising zones and channels supported. Customer service programs cover 24x7 product support and product enhancements.

Founded in 1993, SeaChange International, Inc., of Maynard, Mass. ([www.schange.com](http://www.schange.com)), develops video server systems and software to manage, store and distribute digital video for television operators and telecommunications companies. The Company's turnkey systems automate the distribution of short- and long-form MPEG video streams including advertisements, movies, news updates and other video programming requiring precise, accurate and continuous execution. SeaChange's products are installed in hundreds of geographic markets and serve approximately 14,000 television channels worldwide.

SeaChange Advertising Management System and SeaChange SPOT System are trademarks of SeaChange International, Inc.

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SOURCE SeaChange International, Inc.

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07/07/98

/CONTACT: John Coulbourn of SeaChange International, 978-897-0100, ext. 3098, [johnc@schange.com](mailto:johnc@schange.com)/

/Web site: <http://www.schange.com/>  
(SEAC)

CO: SeaChange International, Inc.  
ST: Massachusetts  
IN: CPR  
SU: PDT

TJ

-- NETU032 --

4250 07/07/98 12:41 EDT <http://www.prnewswire.com>

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(c) 2001 The HW Wilson Co.  
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File 475:Wall Street Journal Abs 1973-2001/May 25  
(c) 2001 The New York Times  
File 139:EconLit 1969-2001/May  
(c) 2001 American Economic Association

Set	Items	Description
S1	13305	(BILLING OR PAYMENT OR INVOIC? OR ACCOUNTING OR ACCOUNTS()-RECEIV?) (3N) (SYSTEM? OR MANAGEMENT? OR STATEMENT?)
S2	278813	ADVERTIS? OR AD OR ADS
S3	1021248	COMBIN? OR MERG? OR MATCH?
S4	4731	(AUTOMATED OR ELECTRONIC? OR DATABASE? OR DATA()BASE?) (5N)-(BILLING OR ACCOUNTING OR INVOIC? OR PAYMENT? OR DEDUCTION?)
S5	4	TEARSHEET? OR TEAR()SHEET? OR AD?()ORDER() (SHEET? OR FORM? OR ENTRY)
S6	0	MANUAL? (2N) S5
S7	488046	OBSOLETE OR OBSOlesc? OR ELIMINAT? OR TERMINAT? OR REMOV? - OR STOP?
S8	33771	(DATE? OR PAGE? OR NAME? OR CUSTOMER? OR SUBSCRIBER? OR ATTRIBUTE?) (3N) (PUBLISH? OR PRINT? OR DATABASE? OR DIGITAL? OR DIGITIZ?)
S9	2566	(TRACK? OR CHECK? OR VERIFY?) (3N) (BILL? OR CHARG? OR (DISPLAY OR DIGIT?) ()AD? OR ADS OR ADVERTIS?)
S10	7	(CUSTOMER? () (INVOICE? OR BILL? OR STATEMENT?)) (5N) ((CUSTOMER?) (2N)AD?)
S11	242	UNIQUE(2N)IDENTIFIER?
S12	32	INTEGRAT?()ADVERTIS?
S13	10	S1 AND S2 AND S3
S14	0	S13 AND S4
S15	0	S13 AND (S5 OR S8 OR S9 OR S10 OR S11 OR S12)
S16	10	RD S13 (unique items)
S17	1	S10 AND (S1 OR S4)
S18	1	S17 NOT S16
S19	0	S10 AND (S5 OR S8 OR S9 OR S11 OR S12)
S20	0	S11 AND S12
S21	1	S12 AND (S1 OR S4)
S22	1	S21 NOT (S16 OR S17)
S23	1326	S1 AND S4
S24	0	S23 AND S5
S25	19	S23 AND (S8 OR S9 OR S10)
S26	1	S25 AND S2
S27	1	S26 NOT (S16 OR S17 OR S21)
S28	19	RD S25 (unique items)
S29	0	S28 AND S3
S30	0	S28 AND (S11 OR S12)
S31	10678	DIGIT?() (DATA OR INFORMATION)

S32 0 S28 AND S31  
 S33 3252 S1/TI  
 S34 3 S28 AND S33  
 S35 2 S34 NOT (S16 OR S17 OR S21 OR S26)  
 S36 4 ADMAX  
 S37 4 RD (unique items)  
 S38 4 S37 NOT (S16 OR S17 OR S21 OR S26 OR S34)  
 S39 0 AU="WEBEL, W."  
 S40 6 AU="WEIBEL, W."  
 S41 3 AU="LOPEZ, MARIA" OR AU="LOPEZ, MARIA ELENA" OR AU="LOPEZ,  
 MARIA ELENA ZAMORA"  
 S42 2 AU="LOPEZ, M. E" OR AU="LOPEZ, M. E."  
 S43 0 AU="METSIG, J"  
 S44 0 AU="METSIG, JOHN"  
 S45 0 (S40 OR S41 OR S42) AND (S1 OR S2 OR S4 OR S5 OR S8 OR S9 -  
 OR S10 OR S11 OR S12)  
 S46 0 S31 AND S4 AND S2

16/3,AB/1 (Item 1 from file: 2)

DIALOG(R) File 2:INSPEC

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5991134 INSPEC Abstract Number: C9809-7140-135

**Title: Overcoming the limitations of proprietary computerized billing systems to enhance patient care**

Author(s): Arbogast, J.G.; Carr, M.C.; Dodrill, W.H.

Author Affiliation: Dept. of Family Med., West Virginia Univ., Morgantown, WV, USA

Conference Title: Nineteenth Annual Symposium on Computer Applications in Medical Care. Toward Cost-Effective Clinical Computing. Proceedings p. 722-6

Editor(s): Gardner, R.M.

Publisher: Hanley & Belfus, Philadelphia, PA, USA

Publication Date: 1995 Country of Publication: USA xxxi+1051 pp.

ISBN: 1 56053 123 1 Material Identity Number: XX95-02617

Conference Title: Proceedings of Nineteenth Annual Symposium on Computer Applications in Medical Care

Conference Date: 28 Oct.-1 Nov. 1995 Conference Location: New Orleans, LA, USA

Language: English

**Abstract:** Most physician offices have proprietary computerized **billing systems**, but these are not designed for monitoring utilization or addressing patient care issues, and they are difficult or impossible to modify. These systems do, however, contain valuable diagnostic and demographic information. An open-ended, relational X-base system is described that downloads this billing information and **combines** it with additional input to provide the practitioner with: current problem lists; medication and allergy lists; health screening reminders that are age-, sex- and disease-specific; and commonly-used demographic information. Several popular query/reporting tools are used to generate standard reports and **ad hoc** inquiries that relate directly to patient care. Two studies, one involving alerting physicians to possible adverse medication effects on specific patients, and one investigating appropriate use and billing of stool occult blood testing, are summarized. In the constantly evolving arenas of utilization, outcomes research and cost efficiency, such an open-ended, time-efficient system has unlimited potential to improve patient care.

Subfile: C

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16/3,AB/2 (Item 2 from file: 2)

DIALOG(R) File 2:INSPEC

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5503366

**Title: Integrated order processing helps supplier save money and keep better track of jobs**

Author(s): Seal, W.E.

Author Affiliation: Private Spring Water Co., Foster City, CA, USA

Journal: Marketing News vol.31, no.1 p.19

Publisher: American Marketing Assoc,

Publication Date: 6 Jan. 1997 Country of Publication: USA

CODEN: MKNWAT ISSN: 0025-3790

SICI: 0025-3790(19970106)31:1L:19:IOPH;1-P

Material Identity Number: E764-97001

Language: English

**Abstract:** An **advertising** specialty supplier was able to cut order-processing time by 15% and save thousands of dollars per month in rush shipping charges by implementing a new order-processing system. Private Spring Water Co., Foster City, Calif., had used a **combination** of

a stand-alone order-entry and **accounting systems** and a word processor to track orders for its custom-labeled spring water. The new system is integrated and includes all the information needed to enter and track the order on a single screen. It greatly reduces the number of errors and makes it much easier to keep track of jobs.

Subfile: D

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16/3,AB/3 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

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02584169 INSPEC Abstract Number: C86010065

**Title: Information resources for scientific and technical progress**

Author(s): Kedrovskii, O.V.

Journal: Nauchno-Tekhnicheskaya Informatsiya, Seriya 1 no.9 p.1-7

Publication Date: 1985 Country of Publication: USSR

CODEN: NTOMAA ISSN: 0548-0019

Language: Russian

**Abstract:** The current state of STI systems operating in the Soviet Union is described, and their future development, in line with new national economic goals, is discussed. The possibility of designing an economic mechanism which stimulates the use of information is examined and the concept of an information product, and methods for improving financial **accounting** in an STI **system** are proposed. The need to bring together traditional and automated systems of information services is stressed, and it is considered advisable to improve techniques of copying, to **combine** large collections of territorial stocks, and to take into account resource capabilities for **advertising** sources of information. It is suggested that the course of scientific research could be improved by the involvement of specialists in scientific and technical information.

Subfile: C

16/3,AB/4 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

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02086035 INSPEC Abstract Number: C83028348, D83000399

**Title: All in the adverts (microcomputers in advertising)**

Author(s): Buciak, B.

Journal: Micro Decision no.21 p.49-54

Publication Date: July 1983 Country of Publication: UK

CODEN: MIDEDEG ISSN: 0261-5142

Language: English

**Abstract:** A survey of the microcomputer products designed for **advertising** agencies seems to show a certain scarcity of systems. And those systems that are available do not come cheap. Because of the complexity of the **advertising** business-they have, for one thing, an extremely complicated **billing system** -the **systems** tend to be at the high end of the microcomputer scale with prices to **match**. One of the pioneers in the use of microcomputers has been the **advertising** agency Smith East Associates. Smith does not believe that the computer has contributed directly to the agency's growth, but does place a great deal of importance on its prestige value. Clients see the computer-generated invoices and are suitably impressed. This may have influenced growth since, although the agency still has approximately the same number of clients, its size and the amount of work it generates has increased considerably.

Subfile: C D

16/3,AB/5 (Item 1 from file: 35)

01627738 AAD9822160

**MANAGEMENT OPPORTUNISM IN MERGERS AND MANAGEMENT BUYOUTS: EVIDENCE FROM ACCRUAL MANIPULATION, ECONOMIC ACTIVITY AND THE BIDDING PROCESS (CORPORATE CONTROL)**

Author: LECHNER, THOMAS ALLEN

Degree: PH.D.

Year: 1998

Corporate Source/Institution: STATE UNIVERSITY OF NEW YORK AT BUFFALO (0656)

Source: VOLUME 59/01-A OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 231. 108 PAGES

The question of managerial opportunism is a fundamental one in both **management** and **accounting**. This paper examines the question in a setting particularly vulnerable to opportunities--attempted changes in corporate control.

This paper **combines** several prior threads of literature to provide a more complete answer to this question. This portfolio approach is in the same spirit as Zmiejewski and Hagerman (1981), and extends it by considering both accounting and economic factors.

DeAngelo (1986) and Perry and Williams (1994) examined manipulation of accounting accruals using standard univariate test. DeAngelo did not find manipulation; Perry and Williams did. Using a more current and broader sample, manipulation is not found in this paper for either MBOs or **mergers** when univariate tests are used.

The one-dimensional accrual analysis of those papers are then extended to consider other factors that could explain the differences in results--financial distress, news, inside and outside block holdings, and prior year accrual reversals. The final analysis incorporating all these factors does not find accrual manipulation associated with MBOs. Accrual manipulation is found for **mergers** and financial distress. The lack of manipulation for MBOs using this more sensitive test supports the DeAngelo result more strongly.

Accounting accrual manipulation is only one of a portfolio of possible managerial actions prior to a potential takeover. Expenditures could be altered by management prior to a potential change in control. **Advertising**, research and development and capital expenditures are examined. Consistent with the lack of opportunism in accruals, there is no opportunism found in **advertising**, research and development or capital expenditures. MBO managers are not depressing earnings, nor are **merger** managers enhancing them.

Acquisition and disposition patterns do not differ significantly across MBOs, **mergers** and controls. Managers of potential targets are not enhancing their personal wealth by exchanging salary for options in significant amounts. Finally, MBO managers do not appear to be low-balling their initial bids.

The evidence against managerial opportunism is substantial. The evidence from accounting accruals, economic expenditures, compensation and bidding process all indicate a lack of significant opportunism prior to a takeover bid.

16/3,AB/6 (Item 2 from file: 35)

01210322 AADNN60207

**PRODUCER SERVICES IN THE URBAN ECONOMY: A STUDY OF EXPORT CONTENT, INPUT-OUTPUT LINKAGES, AND LOCATION OF PRODUCER SERVICES IN EDMONTON (ALBERTA, CANADA)**



Author: MICHALAK, WIESLAW Z.  
Degree: PH.D.  
Year: 1990  
Corporate Source/Institution: UNIVERSITY OF ALBERTA (CANADA) (0351)  
Source: VOLUME 52/11-A OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 4044. 220 PAGES  
ISBN: 0-315-60207-4

The central goal of this thesis was to assess and evaluate the export activity of the producer service sector in Edmonton. To accomplish this goal, a survey of selected producer service sub-sectors was undertaken. The following producer service sub-sectors were included in the survey: marketing, advertising, computer, data processing, management, engineering, legal, and accounting services. It is postulated here that these producer services help other firms to become more efficient and competitive. Moreover, they export part of their output and, thus, contribute directly to the export base of cities. They also may attract other industries to the local economy.

The research design of the thesis was arranged in four stages. In the first stage, the number, size, and type of producer service firms based in Edmonton were determined. In the second stage a survey of a sample of producer service firms was conducted. At this stage, the volume and destination of exports of producer services from Edmonton were determined. The third stage of the research was designed to determine who were the customers of the producer service firms and what type of inputs were being purchased. The fourth stage was designed to establish what were the factors in the location of exporting firms.

The major findings of the thesis can be summarized as follows. Edmonton has a large and diversified producer service sector. Seventy five per cent of firms surveyed exported at least 10 per cent of their services. Over one third of the total revenue of the sector came from exports. In monetary terms the export revenue reached over 800 million dollars in 1987. Thus, the producer service sector contributed a substantial revenue to the economic base of Edmonton. The major sources of demand were government and producer service firms themselves. The survey revealed that the future of producer services in Edmonton depends on the combination of demand from the government and service sectors.

There are three major policy implications of the thesis for the producer service sector in Edmonton. First, the export of producer services can be significantly increased. Second, the government can play a key role in promoting export of these services. Third, reliability and quality of some producer services should be improved in order to increase exports of the sector.

The major success of this study is that the contributing role of the producer service sector was assessed and evaluated. Although the thesis focused on empirical testing of the assumptions relating to the export activity of producer services, some policy recommendations were possible. These results help us to understand the role producer services play in urban economies of medium size cities and thereby open the way to improve our understanding of the nature of complex changes in the economies of these cities.

16/3,AB/7 (Item 3 from file: 35)  
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1053609 AAD8225325

**SELECTION OF COMPUTERS FOR SMALL ACCOUNTING SYSTEMS: AN INTERACTIVE MULTI-CRITERIA APPROACH**

Author: BORTHICK, ALICE FAYE  
Degree: D.B.A.  
Year: 1982

The research objective was to formulate an approach to **match** small business computers (SBCs) to accounting applications incorporating the complexity of a multi-criteria selection context. Heretofore, selection procedures for SBCs had been largely subjective and **ad hoc**.

The research comprised three phases: (1) Cluster analysis in conjunction with factor analysis to characterize the SBC population, (2) Mapping sample user requirements onto a subset of SBCs and (3) Implementation and execution of the analytic hierarchy process (AHP) for the multi-criteria selection of an SBC for the accounting functions of a hypothetical small business.

Cluster analysis failed to detect multiple, distinct well-defined clusters of SBCs, suggesting a form of market maturity for SBCs. Three factors were interpreted from factor analysis of product variables: capacity for concurrent use, execution speed and maximum I/O configuration. Factor analysis of user opinion variables gave three factors: satisfaction of expectations, perceived competence and constraints on operation.

Sample user requirements for accounting applications for the three product variables were mapped onto the SBC population with logical operations to identify a feasible subset of SBCs. An attribute hierarchy was composed from the factor variables with the overall objective of selection of an SBC. The interactive implementation of the AHP included marginal analysis.

16/3,AB/8 (Item 4 from file: 35)  
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807687 AAD8306837

**NON-ACADEMIC CAREER OPTIONS AVAILABLE TO SPEECH COMMUNICATION GRADUATES IN TEXAS AND THE RELATED CURRICULAR IMPLICATIONS. (RECORD OF STUDY)**

Author: ALFRED, DEANNA DIPPEL

Degree: ED.D.

Year: 1982

Corporate Source/Institution: TEXAS A&M UNIVERSITY (0803)

Source: VOLUME 43/12-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 3793. 175 PAGES

The purpose of this study was to answer two research questions: (1) What speech communication competencies are deemed essential to include in an undergraduate speech communication curriculum that is oriented to the non-academic career market? (2) What is the range of non-academic career opportunities available to a speech communication graduate in Texas?

In answering the first research question, three audiences were surveyed. The primary audience was composed of university professors who had demonstrated an interest in non-academic careers for speech communication majors. Validation surveys were sent to a modest sample of college recruiters and previous speech communication graduates.

The survey questionnaire listed 20 basic speech communication competencies and asked respondents to delete, reword, or add any they deemed appropriate. The results indicated that none of the competencies should be deleted, four should be reworded, and eight should be added. The 16 which should remain unchanged are "conflict resolution," "instructing," "interviewing," "leadership," "listening," "message content, perception, and meaning," "motivation," "organizational communication flow and function," "personnel relationships," "persuasion," "problem-solving/decision-making," "public relations," "public speaking," "questioning techniques," "routine information exchange," and "small group facilitation." Suggestions for rewording included substituting

"interpersonal communication" for "human relations," "understanding communication processes" for "understanding communication theory," "counseling" for "advising," and "delegating/supervising" for "giving orders." The eight additions included "analysis of audience and medium," "analytical and logical thinking," "audio-visual/graphics production and use," "feedback," "information processing and dissemination," "nonverbal communication," "research skills," and "writing skills."

In answering the second research question, the employment wants of a Sunday edition of 11 Texas newspapers were systematically surveyed for jobs specifically requesting one or more of the previously identified 28 speech communication competencies. Validation surveys were mailed to modest samples of university placement directors, personnel agency directors, and college recruiters.

The employment areas of personnel, marketing-sales, management, public relations, business-accounting, business-finance, and secretarial were frequently advertised in the 374 total career options requesting speech communication skills.

The validation surveys gave strong support to combining speech communication with another discipline to enhance employability. The most frequently suggested companion disciplines were within the area of business, but several other possibilities were also mentioned.

16/3,AB/9 (Item 1 from file: 233)

DIALOG(R) File 233:Internet & Personal Comp. Abs.

(c) 2001 Info. Today Inc. All rts. reserv.

00555894 99IA12-005

Put the 'dot-com' in customer service -- Enterprise report management systems can put millions of statements, invoices and bills online without breaking a sweat. Here's how a...

Grigsby, Mason

Imaging & Document Solutions, December 1, 1999, v8 n12 p18-25, 6 Page(s)

ISSN: 1063-4320

Reports that priorities in the new economy should include putting computer-generated bills, statements, invoices and e-commerce documents online. Presents three case studies to illustrate how existing legacy billing, statement, and e-commerce data applications can be leveraged to create customer service Web portals. Highlights Brick Warehouse, which uses Eastman Software that combines intranet report delivery with ad-hoc report creation and data mining software. Reports that Morgan Keegan, a 30-year-old Southeast regional broker firm with \$400 million in revenue uses a Tandem host computer to generate 1.6 million customer documents per month. Includes states, year-end 1099s and confirmation notices. Mentions Ceridian Bank of Canada, which makes detailed consumer information available to its 400 service representatives through the country. Adds that its Web-enabled system is from Optical Image Technology. Includes one photo and one flowchart. (sps)

December 1, 1999

16/3,AB/10 (Item 1 from file: 474)

DIALOG(R) File 474:New York Times Abs

(c) 2001 The New York Times. All rts. reserv.

00593287 NYT Sequence Number: 055632750523

NY Times survey of George C Wallace's Pres fund-raising. Bulk of contributions result from expensive mail drive conducted by Richard A Viguerie, who provides his services free until money generated from drives comes in. System raises question of whether his services constitute loan or contribution to Wallace drive. Viguerie contends that

use of credit in pol fund-raising falls into 'unclear area' of new campaign finance law. Defends system of delayed payment. Despite fact Wallace is attracting more campaign money than any other Dem Pres hopeful, much of money is used to pay for Viguerie's mail drives. Expense of mailings could be urgent problem for Wallace if Fed Election Comm decides that matching Fed funds will be granted for net, rather than gross, contributions recd by aspirants. Typical Viguerie mail drive, and its costs, described. Wallace seems to be only Pres hopeful who receives services in advance of payment. Thomas B Curtis, chmn of Fed Election Comm, sees advancing costs of fund-raising as form of campaign contribution, but concedes that campaign restrictions enacted in '74 law do not specifically define 'credit' of kind Viguerie grants (L).)

LYDON, CHRISTOPHER

New York Times, Col. 2, Pg. 1

Friday May 23 1975

18/3,AB/1 (Item 1 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
(c) 2001 The Gale Group. All rts. reserv.

09217540  
PLDT, Citibank set E **payment system**  
PHILIPPINES: PLDT, CITIBANK TIE-UP ON E-BANKING  
Manila Bulletin (XAZ) 24 Dec 1999 p.B-4  
Language: ENGLISH

A Memorandum of Understanding (MoU) was recently forged between Citibank NA and giant carrier Philippine Long Distance Telephone Company (PLDT) for joint development and establishment of an **electronic**-based **payment** facility. With the tie-up, PLDT's corporate clients who are also corporate clients of Citibank will enjoy easy settlement of their bills via New Citibanking, an electronic banking (e-banking) platform offered by Citibank. In **addition**, these corporate **customers' bills** are also featured at the @ctive Bill website of the telecommunications major.

?

22/3,AB/1 (Item 1 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
(c) 2001 The Gale Group. All rts. reserv.

00370612  
ATEX SIGNS DEAL WITH CDS  
UK - ATEX SIGNS DEAL WITH CDS  
Litho Week (LW) 2 July 1986 pl2

Atex has signed a deal with Creative Data Systems to provide software for advertising sales and credit control in newspaper offices. The company's **integrated advertising system** can be linked directly to CDS's Comar Comtran **accounts receiveable and management information system**. This will allow telephone advertising staff access to current information and customers and will also give rise to on the spot decisions on ad acceptance.

?

27/3,AB/1 (Item 1 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2001 Institution of Electrical Engineers. All rts. reserv.

4520921

**Title: It pays to advertise (sometimes) (customer response)**  
**Author(s): Appleby, C.**  
**Journal: InformationWEEK no.442 p.24**  
**Publication Date: 13 Sept. 1993 Country of Publication: USA**  
**CODEN: INFWE4 ISSN: 8750-6874**  
**Language: English**  
**Abstract: The Advertising Checking Bureau (ACB) has launched a \$2 million, two-year reengineering project that will produce a client-server network to help cut customer response time to a fraction of its current length. The project, centered around an **electronic billing system**, will eventually replace the company's aging mainframe and add imaging capability to the current paper-intensive review of newspapers.**  
**Subfile: D**

?

35/3,AB/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2001 Institution of Electrical Engineers. All rts. reserv.

6706266 INSPEC Abstract Number: C2000-10-7120-041

**Title: Digital payment systems for Internet commerce: the state of the art**

Author(s): Ureche, O.; Plamondon, R.

Author Affiliation: Lab. SCRIBENS, Ecole Polytech., Montreal, Que., Canada

Journal: World Wide Web vol.3, no.1 p.1-11

Publisher: Baltzer,

Publication Date: 2000 Country of Publication: Netherlands

CODEN: WWWEFF ISSN: 1386-145X

SICI: 1386-145X(2000)3:1L:1:DPSI;1-T

Material Identity Number: H400-2000-004

Language: English

**Abstract:** This paper presents a comprehensive survey of digital **payment systems** for Internet-based **electronic** commerce. A new taxonomy and classification covering most, if not all, Internet payment methods, schemes and protocols is introduced. A set of evaluation and analysis criteria, both internal and external to a particular system, is used to analyze system representatives of each class. Principal characteristics are synthesized in a comparative table. Different approaches for future developments are proposed, including a new **digital** envelope transport protocol named TRANZIX, used in the context of generic "transport and transfer of value". A comprehensive electronic resource list is also included.

Subfile: C

Copyright 2000, IEE

35/3,AB/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2001 Institution of Electrical Engineers. All rts. reserv.

02302601 INSPEC Abstract Number: C84040151

**Title: With automated payment system, manufacturer reduces paper flow**

Journal: Data Management vol.22, no.5 p.38, 42

Publication Date: May 1984 Country of Publication: USA

CODEN: DTAMBZ ISSN: 0148-5431

Language: English

**Abstract:** The Pharmaceutical Group of Sterling Drug wanted a huge **database** of products, **customers**, origins, destinations and carrier data; the ability to use the computer to close its books at the end of each fiscal month, and a method of monitoring carrier costs and marketing information that could deliver freight expense by product and customer if necessary. They have now implemented the TARPS system and the Numerax IV Online Service. The advantages which automation brought about are presented.

Subfile: C

38/3,AB/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2001 Institution of Electrical Engineers. All rts. reserv.

04129615 INSPEC Abstract Number: B9205-0160-018, C9205-7490-008

**Title: Development of building maintenance support system: BUILMASTER for building maintenance companies**

Author(s): Hieda, S.; Suzuki, Y.; Yamashita, Y.

Journal: Ishikawajima-Harima Engineering Review vol.31, no.6 p. 452-8

Publication Date: Nov. 1991 Country of Publication: Japan

CODEN: ISHGAV ISSN: 0578-7904

Language: Japanese

**Abstract:** In offices, hotels, etc. the building maintenance service has witnessed the progress of efforts to use the employee efficiently to maintain sufficient number of managers and workers required by many building owners. To meet this effort, IHI has developed the computerized building maintenance support system for the building maintenance in a company. The system is installed at the head office or the local management center of each company and administrates the equipment maintenance, cleaning and security of multiple buildings. The system is based on the ship administration system: SEAMASTER and **ADMAX** delivered in 1971 and a large building administration system: BUILMASTER delivered in 1988. The first commercial system was installed for Sanyo Sobi Company Ltd., in July 1991.

Subfile: B C

38/3,AB/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2001 Institution of Electrical Engineers. All rts. reserv.

03700079 INSPEC Abstract Number: B90054006, C90060305

**Title: IHI ship administration systems: ADMAX**

Journal: Ishikawajima-Harima Engineering Review vol.29, no.6 p. 505-7

Publication Date: Nov. 1989 Country of Publication: Japan

CODEN: ISHGAV ISSN: 0578-7904

Language: Japanese

**Abstract:** Work onboard ships is mainly occupied by maintenance in order to secure the steady continuation of unmanned operation, so a reduction of this work is highly desirable. **ADMAX** is a computer-based system, consisting of status monitoring, maintenance management and spare parts control, and has contributed to the rationalization of work on board ship.

**ADMAX** comprises a shipboard system and ground system and the former is intended to be operable individually. The data communication between the ship and ground can be conducted by satellite communication equipment and cassette-type magnetic tapes. A discussion on **ADMAX** is made in terms of structure, features, functions and evaluation. Its hardware configuration is also illustrated.

Subfile: B C

38/3,AB/3 (Item 1 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)

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06390147

Invesco's Canada deal

CANADA: **ADMAX** TO BE ACQUIRED BY INVESCO

The Times (TS) 08 Nov 1996 p.26

Language: ENGLISH

Invesco Holdings Canada, the subsidiary of UK fund manager, Invesco, will pay CA\$ 8mn to acquire Canadian mutual fund manager, **Admax** International Management. **Admax** has approximately CA\$ 350mn worth of assets in its 14 funds.

**38/3,AB/4 (Item 2 from file: 583)**  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
(c) 2001 The Gale Group. All rts. reserv.

05404094

Outlook good for health care firms

CANADA - **ADMAX** INTERNANTIONALLAUNCHES GLOBAL HEALTH FUND  
Canadian Globe & Mail (CGM) 26 October 1992 pb7

**Admax** International Investments (Toronto, ON) has launched an open-ended global health sciences fund targeting niche investors, in particular dentists and doctors. The fund currently owns no stocks but is planning to acquire European, US and Canadian stocks, allocating 34% of the money to cost containment and health care delivery, 14% to biotechnology, 32% to pharmaceuticals and 20% to medical equipment.



Set	Items	Description
S1	1186	(BILLING OR PAYMENT OR INVOIC? OR ACCOUNTING OR ACCOUNTS()-RECEIV?) (3N) (SYSTEM? OR MANAGEMENT? OR STATEMENT?)
S2	15857	ADVERTIS? OR AD OR ADS
S3	312145	COMBIN? OR MERG? OR MATCH?
S4	804	(AUTOMATED OR ELECTRONIC? OR DATABASE? OR DATA()BASE?) (5N)-(BILLING OR ACCOUNTING OR INVOIC? OR PAYMENT? OR DEDUCTION?)
S5	24	TEARSHEET? OR TEAR()SHEET? OR AD?()ORDER() (SHEET? OR FORM? OR ENTRY)
S6	0	MANUAL? (2N) S5
S7	393281	OBSOLETE OR OBSOLESC? OR ELIMINAT? OR TERMINAT? OR REMOV? - OR STOP?
S8	13471	(DATE? OR PAGE? OR NAME? OR CUSTOMER? OR SUBSCRIBER? OR ATTRIBUTE?) (3N) (PUBLISH? OR PRINT? OR DATABASE? OR DIGITAL? OR - DIGITIZ?)
S9	784	(TRACK? OR CHECK? OR VERIFY?) (3N) (BILL? OR CHARG? OR (DISPLAY OR DIGIT?) (AD? OR ADS OR ADVERTIS?)
S10	0	(CUSTOMER? (INVOICE? OR BILL? OR STATEMENT?)) (5N) ((CUSTOMER?) (2N) AD?)
S11	1304	UNIQUE (2N) IDENTIFIER?
S12	2	INTEGRAT? (ADVERTIS?
S13	0	(S1 OR S4) AND S12
S14	18	S1 (25N) S2
S15	16	S14 AND (S3 OR S4 OR S5 OR S8 OR S9 OR S11)
S16	627	S2/TI
S17	2	S15 AND S16
S18	7	S15 AND S4
S19	6	S18 NOT S17
S20	14	S9 AND S16
S21	1	S20 AND S1
S22	1	S21 NOT (S17 OR S18)
S23	382	S1 AND S4
S24	127	S23 AND (S8 OR S9)
S25	11	S24 AND (S11 OR S12)
S26	0	S25 AND S16
S27	10	S25 AND S3
S28	7	S27 AND S2
S29	7	S28 NOT (S17 OR S18 OR S21)
S30	0	AU="WEIBEL WILLARD"
S31	0	AU="LOPEZ MARIA"
S32	0	AU="METSIG JOHN"
S33	4	S1(S) S2(S) S4
S34	2	S33 NOT (S17 OR S18 OR S21 OR S28)

17/3,AB/1

DIALOG(R)File 348:EUROPEAN PATENTS

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01132530

UNIVERSAL INTERACTIVE ADVERTISING AND PAYMENT SYSTEM FOR PUBLIC  
ACCESS ELECTRONIC COMMERCE AND BUSINESS RELATED PRODUCTS AND SERVICES  
UNIVERSALES INTERAKTIVES WERBUNGS- UND ZAHLUNGSSYSTEM FUR DEN OFFENTLICHEN  
ZUGANG ZU ELEKTRONISCHEM HANDEL UND GESCHAFTSVERKEHR UND  
UNTERNEHMENSBEZOGENEN PRODUKTEN UND DIENSTLEISTUNGEN  
SYSTEME DE PAIEMENT ET DE PUBLICITE INTERACTIF UNIVERSEL POUR COMMERCE  
ELECTRONIQUE A ACCES PUBLIC, ET SERVICES ET PRODUITS D'AFFAIRES  
ASSOCIES

PATENT ASSIGNEE:

USA Technologies Inc., (2115612), 200 Plant Avenue, Wayne, PA 19087-3520,  
(US), (Applicant designated States: all)

INVENTOR:

KOLLS, H., Brock, 52 Norwood House, Downingtown, PA 19335, (US)

LEGAL REPRESENTATIVE:

Pacitti, Pierpaolo A.M.E. et al (43011), Murgitroyd and Company 373  
Scotland Street, Glasgow G5 8QA, (GB)

PATENT (CC, No, Kind, Date): EP 1099175 A1 010516 (Basic)  
WO 200005670 000203

APPLICATION (CC, No, Date): EP 99919898 990419; WO 99US8577 990419

PRIORITY (CC, No, Date): US 93475 980720; US 293358 990416; US 293129  
990416

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; IE; IT; LI; NL; PT; SE  
INTERNATIONAL PATENT CLASS: G06F-017/60

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

17/3,AB/2

DIALOG(R)File 348:EUROPEAN PATENTS

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00884728

COMMUNICATION SYSTEM FOR DISTRIBUTING SUCH MESSAGE AS ADVERTISEMENT TO  
USER OF TERMINAL EQUIPMENT  
KOMMUNIKATIONSSYSTEM ZUM VERTEILEN VON WERBENACHRICHTEN AN TERMINALBENUTZER  
SYSTEME DE COMMUNICATION DE MESSAGES DU TYPE PUBLICITAIRE A L'UTILISATEUR  
D'UN EQUIPEMENT TERMINAL

PATENT ASSIGNEE:

Aim Corporation, (2479190), 7, Kofukada, Shinbayashi, Chiryu-shi, Aichi  
472, (JP), (Applicant designated States: all)

Cheil Communications Inc., (2503360), Samsung Building, 50 Ulchiro 1-ga,  
Chung-gu, Seoul 100-191, (KR), (Applicant designated States: all)

INVENTOR:

ITAKURA, Yuichiro Hyper Net Inc. No. 2 Yagi, Building, 4th floor 6-2,  
Shibuya 3-chome, Shibuya-ku Tokyo 150, (JP)

TSUTSUI, Yuichiro Hyper Net Inc. No. 2 Yagi, Building, 4th floor 6-2,  
Shibuya 3-chome, Shibuya-ku Tokyo 150, (JP)

FUJITA, Nobuyuki Hyper Net Inc. No. 2 Yagi, Building, 4th floor 6-2,  
Shibuya 3-chome, Shibuya-ku Tokyo 150, (JP)

LEGAL REPRESENTATIVE:

von Bulow, Tam, Dr. et al (12358), Patentanwaltskanzlei Mailander Strasse  
13, 81545 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 955589 A1 991110 (Basic)  
WO 9732258 970904

APPLICATION (CC, No, Date): EP 97905408 970226; WO 97JP564 970226

PRIORITY (CC, No, Date): JP 9667278 960228; JP 96139689 960510; US 22171 P  
960715; US 23577 P 960819

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;  
MC; NL; PT; SE  
INTERNATIONAL PATENT CLASS: G06F-015/00; G06F-017/30; G06F-019/00

ABSTRACT EP 955589 A1

In the communication network for distributing messages such as advertisements to terminal users, an information providing system provides the suitable information to each user. The system includes a terminal connected to a communications network, a user database for storing the characteristics of each user, a message database for storing messages, and a transmittal condition database for storing the user characteristics of the class of suitable recipients for each message. A message searcher searches for messages from the transmittal condition database based on the characteristics read out from the user database. A reader reads the retrieved messages from the message database and a transmitter transmits the messages to the terminal. An adder increases the value of a parameter associated with each user when the transmitted message is displayed on the terminal. A detector detects whether the user is active, and a stop means prevents the value of the parameter from being increased when the user is inactive.

ABSTRACT WORD COUNT: 158

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; Japanese

19/3,AB/1

DIALOG(R) File 348:EUROPEAN PATENTS

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01261508

**A method for the secure transfer of payments**

**Verfahren fur gesichertes Uberweisen von Zahlungen**

**Methode pour transferts de paiement securises**

PATENT ASSIGNEE:

TRINTECH LIMITED, (886461), South County Business Park, Leopardstown,

Dublin 18, (IE), (Applicant designated States: all)

INVENTOR:

Hamilton, Christopher John, 1724 Ben Crenshaw, Austin Way, Texas 78746,

(US)

Wells, Lisa Kay, 4903 Whispering Valley Drive, Austin, TX 78727, (US)

Brahmbhatt, Bhagwat c/o Trintech Group, 2755 Campus Drive, Suite 220, San

Mateo, CA 94403-2590, (US)

LEGAL REPRESENTATIVE:

Schutte, Gearoid (74261), Cruickshank & Co., 1 Holles Street, Dublin 2,

(IE)

PATENT (CC, No, Kind, Date): EP 1087350 A1 010328 (Basic)

APPLICATION (CC, No, Date): EP 99650088 990922;

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;

LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G07F-019/00; G07F-007/08; G06F-017/60

ABSTRACT EP 1087350 A1

A method for the secure transfer of payments over a network sales system. The system includes a plurality of card holder computers (4), a card issuer computer (6), merchant computers (3) and at least one merchant payment acquirer computer (11). Card holder account details are stored in a secure database (7) by the card issuer (5). When a card holder computer (4) wishes to make a transaction with a merchant computer (3) the card holder must enter a password or PIN number to have access to their account. The transaction may be verified by the card issuer (5) or the payment acquirer computer (11). An important aspect of the invention is that for each transaction there is a dedicated communications channel between the card holder computer (4) and the merchant computer (3) that can be controlled by the card issuer (5).

ABSTRACT WORD COUNT: 142

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200113	961
SPEC A	(English)	200113	6028
Total word count - document A			6989
Total word count - document B			0
Total word count - documents A + B			6989

19/3,AB/2

DIALOG(R) File 348:EUROPEAN PATENTS

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00903754

**Electronic postage meter system having internal accounting system and  
removable external accounting system**

**Elektronisches Frankiermaschinensystem mit internem Abrechnungssystem und  
entfernbarrem externem Abrechnungssystem**

Systeme de machine a affranchir electronique avec systeme de  
comptabilisation interne et systeme de comptabilisation externe  
amovible

PATENT ASSIGNEE:

PITNEY BOWES INC., (244957), World Headquarter, One Elmcroft Road,  
Stamford, Connecticut 06926-0700, (US), (Applicant designated States:  
all)

INVENTOR:

Dolan, Donald T., 97 Mimosa Circle, Ridgefield, Connecticut 06877, (US)  
French, Dale A., 15 Cedar Island Avenue, Clinton, Connecticut 06413, (US)

LEGAL REPRESENTATIVE:

Avery, Stephen John et al (47695), Hoffmann Eitle, Patent- und  
Rechtsanwalte, Arabellastrasse 4, 81925 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 825561 A2 980225 (Basic)  
EP 825561 A3 000329

APPLICATION (CC, No, Date): EP 97114557 970822;

PRIORITY (CC, No, Date): US 700922 960823

DESIGNATED STATES: CH; DE; ES; FI; FR; GB; IT; LI; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; RO; SI

INTERNATIONAL PATENT CLASS: G07B-017/00

ABSTRACT EP 825561 A2

A metering system (21) includes means (4) for printing postage value.  
First means (8) are coupled to the printing means for accounting for  
value printed by the printing means (4). Second means (10) are coupled to  
the printing means for accounting for value printed by said printing  
means (4). Means (26) determine which of the first and the second  
accounting means accounts for value printed by said printing means. The  
system may be arranged where the first accounting means (8) is a smart  
card chip mounted internal to the metering system and the second  
accounting means (10) is an external smart card. In normal use, only one  
accounting system is rendered operable with priority given to the  
external smart card.

ABSTRACT WORD COUNT: 121

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9809	625
SPEC A	(English)	9809	8397
Total word count - document A			9022
Total word count - document B			0
Total word count - documents A + B			9022

19/3,AB/3

DIALOG(R)File 348:EUROPEAN PATENTS

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00855182

An accounting apparatus and an information distribution system using the  
accounting apparatus

Abrechnungsvorrichtung und ein die Abrechnungsvorrichtung gebrauchende  
Informationsverteilungssystem

Appareil de comptabilisation et systeme de distribution d'informations  
utilisant cet appareil

PATENT ASSIGNEE:

CANON KABUSHIKI KAISHA, (542361), 30-2, 3-chome, Shimomaruko, Ohta-ku,  
Tokyo, (JP), (applicant designated states: DE;FR;GB)

INVENTOR:

Iwamura, Keiichi, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome,

Ohta-ku, Tokyo, (JP)

**LEGAL REPRESENTATIVE:**

Beresford, Keith Denis Lewis et al (28273), BERESFORD & Co. 2-5 Warwick Court High Holborn, London WC1R 5DJ, (GB)

PATENT (CC, No, Kind, Date): EP 788080 A2 970806 (Basic)  
EP 788080 A3 981014

APPLICATION (CC, No, Date): EP 97300592 970130;

PRIORITY (CC, No, Date): JP 9616081 960131; JP 9616082 960131

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G07F-017/16; G07F-007/10;

**ABSTRACT EP 788080 A2**

An accounting apparatus has a money input, by which a user can input an amount of money into the apparatus. A receiver receives a body of information transmitted over a communication medium, and a register is arranged to store at least two data received with such body of information. A control unit processes the at least two data in the register received with such body of information, and the amount input by the user via the money input, and an indicator indicates to the user whether the user is permitted access to the body of information, based on a result of processing provided by the control unit.

ABSTRACT WORD COUNT: 108

LANGUAGE (Publication,Procedural,Application): English; English; English

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9708W1	872
SPEC A	(English)	9708W1	11726
Total word count - document A			12598
Total word count - document B			0
Total word count - documents A + B			12598

**19/3,AB/4**

DIALOG(R) File 348:EUROPEAN PATENTS

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00780062

**AN ONLINE SERVICE DEVELOPMENT TOOL WITH FEE SETTING CAPABILITIES**

**HERSTELLUNGSHILFE FUR ONLINE-DIENSTE MIT GEBUHRENFESTSTELLUNG**

**OUTIL DE DEVELOPPEMENT DE SERVICES EN LIGNE A FONCTIONS D'ETABLISSEMENT DE TAXATION**

**PATENT ASSIGNEE:**

VERMEER TECHNOLOGIES, INC., (2150580), 725 Concord Avenue, Cambridge, MA 02138, (US), (Proprietor designated states: all)

**INVENTOR:**

FERGUSON, Charles, H., 21B Lee Street, Cambridge, MA 02139, (US)

FORGAARD, Randy, J., 22 Fottler Avenue, Lexington, MA 02173, (US)

**LEGAL REPRESENTATIVE:**

Spall, Christopher John (36171), BARKER BRETTELL 138 Hagley Road, Edgbaston Birmingham B16 9PW, (GB)

PATENT (CC, No, Kind, Date): EP 792493 A2 970903 (Basic)  
EP 792493 B1 990811  
WO 9615505 960523

APPLICATION (CC, No, Date): EP 95939902 951108; WO 95US14701 951108

PRIORITY (CC, No, Date): US 336300 941108

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-017/30; G06F-017/60

**NOTE:**

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
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CLAIMS B	(English)	9932	1044
CLAIMS B	(German)	9932	989
CLAIMS B	(French)	9932	1188
SPEC B	(English)	9932	19722
Total word count - document A			0
Total word count - document B			22943
Total word count - documents A + B			22943

19/3,AB/5

DIALOG(R) File 348:EUROPEAN PATENTS

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00499287

**METHOD AND SYSTEM FOR REMOTE DELIVERY OF RETAIL BANKING SERVICES**  
**VERFAHREN UND SYSTEM ZUR FERNVERTEILUNG FUR DEN KLEINHANDELBANKVERKEHR**  
**PROCEDE ET SYSTEME DE PRESTATION A DISTANCE DE SERVICES BANCAIRES DE DETAIL**  
**PATENT ASSIGNEE:**

ONLINE RESOURCES & COMMUNICATIONS CORPORATION, (1387560), 1313 Dolly  
 Madison Boulevard, Suite 300, McLean, VA 22101, (US), (applicant  
 designated states: AT;BE;CH;DE;DK;ES;FR;GB;GR;IT;LI;LU;NL;SE)

**INVENTOR:**

LAWLOR, Matthew, P., 302 C Street N.E., Washington, DC 20036, (US)  
 CARMODY, Timothy, E., 1211 Summit Road, McLean, VA 22101, (US)

**LEGAL REPRESENTATIVE:**

Allman, Peter John et al (27675), MARKS & CLERK, Sussex House, 83-85  
 Mosley Street, Manchester M2 3LG, (GB)

**PATENT (CC, No, Kind, Date):** EP 504287 A1 920923 (Basic)  
 EP 504287 A1 931222  
 EP 504287 B1 990721  
 WO 9109370 910627

**APPLICATION (CC, No, Date):** EP 91901390 901210; WO 90US7153 901210

**PRIORITY (CC, No, Date):** US 448170 891208

**DESIGNATED STATES:** AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; LU; NL; SE

**INTERNATIONAL PATENT CLASS:** G06F-017/60; G07F-007/10; H04M-017/02;

**NOTE:**

No A-document published by EPO

**LANGUAGE (Publication,Procedural,Application):** English; English; English

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9929	2662
CLAIMS B	(German)	9929	2704
CLAIMS B	(French)	9929	3257
SPEC B	(English)	9929	28351
Total word count - document A			0
Total word count - document B			36974
Total word count - documents A + B			36974

19/3,AB/6

DIALOG(R) File 348:EUROPEAN PATENTS

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00167761

**Printing apparatus for insertion machines.**

**Drucker fur eine Kuvertiermaschine.**

**Dispositif d'impression pour machines a mettre sous enveloppe.**

**PATENT ASSIGNEE:**

BELL & HOWELL COMPANY, (433312), 6800 McCormick Road, Chicago Illinois  
 60651, (US), (applicant designated states: CH;DE;FR;GB;LI;SE)

**INVENTOR:**

Abrams, Jack S., 1942 Redwood Lane, Northbrook Illinois, 60062, (US)  
 Wisniewski, Michael A., 161 Delmar, Bolingbrook Illinois, 60439, (US)

LEGAL REPRESENTATIVE:

Rau, Manfred, Dr. Dipl.-Ing. et al (38392), Rau & Schneck, Patentanwälte  
Königstrasse 2, W-8500 Nürnberg 1, (DE)

PATENT (CC, No, Kind, Date): EP 173996 A2 860312 (Basic)  
EP 173996 A3 870513  
EP 173996 B1 910724

APPLICATION (CC, No, Date): EP 85111056 850902;

PRIORITY (CC, No, Date): US 648694 840907

DESIGNATED STATES: CH; DE; FR; GB; LI; SE

INTERNATIONAL PATENT CLASS: G06K-015/00;

ABSTRACT EP 173996 A2

Printing apparatus for insertion machines.

A printer apparatus for a document handling machine is adapted to obtain a signal from a series of information-bearing marks on a first document and transmit that signal to the control device for the printer apparatus to initiate the printing of an image such as a bar code on a second document which is to be furnished in a mailing envelope along with the first document. The printer apparatus automatically removes the second document from a hopper, advances the second document to a printing station, lowers a print head module to the printing station over the second document, and delivers the imprinted second document to the transport raceway of a document insertion machine.

ABSTRACT WORD COUNT: 120

LANGUAGE (Publication,Procedural,Application): English; English; English



22/3,AB/1

DIALOG(R) File 348:EUROPEAN PATENTS

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01048432

Motion detection advertising

Bewegungsdetektionswerbevorrichtung

Dispositif publicitaire avec detection de mouvement

PATENT ASSIGNEE:

AT&T Corp., (589370), 32 Avenue of the Americas, New York, NY 10013-2412,

(US), (applicant designated states:

AT;BE;CH;CY;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

INVENTOR:

Gerszberg, Irwin, 12 Dickinson Road, Kendall Park, New Jersey 08824, (US)

Martin, Jeffrey S., 184 Pequannock Street, Dover, New Jersey 07801, (US)

Walker, Hopeton S., 152 West Haledon Avenue, Haledon, New Jersey 07508,  
(US)

LEGAL REPRESENTATIVE:

Asquith, Julian Peter et al (76432), Marks & Clerk, Nash Court, Oxford

Business Park South, Oxfordshire OX4 2RU, (GB)

PATENT (CC, No, Kind, Date): EP 927985 A2 990707 (Basic)

APPLICATION (CC, No, Date): EP 98310653 981223;

PRIORITY (CC, No, Date): US 1355 971231

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE

INTERNATIONAL PATENT CLASS: G09F-027/00;

ABSTRACT EP 927985 A2

The present invention provides an efficient solution for regulating the amount of advertisement directed towards a particular consumer. In its broadest sense, the present invention gives advertisers the ability to expose consumers to advertisements for a specified period, as well as collect information on the exposure that a customer has had with an advertisement or group of advertisements before a purchase is made. Based on this information, advertisers can make strategic decisions on how to more efficiently market their products. Additionally, the present invention eliminates the wastefulness associated with advertising to a non-existent audience and audiences that have already been continuously exposed to previously similar advertisements. The advertisements will only be shown when someone is present to view them. As a result, the manner in which advertisements are presented to consumers can be monitored and more efficiently managed.

ABSTRACT WORD COUNT: 139

LANGUAGE (Publication,Procedural,Application): English; English; English

29/3,AB/1

DIALOG(R)File 348:EUROPEAN PATENTS

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01257209

Method and apparatus for uniquely identifying a customer purchase in an electronic distribution system

Verfahren und Apparat zum eindeutigen Identifizieren eines Kundeneinkaufs in einem elektronischen Auslieferungs-System

Methode et appareil pour l'identification unique d'un achat d'un client dans un systeme de distribution electronique

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road, Armonk, N.Y. 10504, (US), (Applicant designated States: all)

INVENTOR:

Dorak, John J., Jr., c/o IBM United Kingdom Ltd, Intel. Property Law, Hursley Park, Winchester, Hampshire SO21 2JN, (GB)

LEGAL REPRESENTATIVE:

Ling, Christopher John (80401), IBM United Kingdom Limited, Intellectual Property Department, Hursley Park, Winchester, Hampshire SO21 2JN, (GB)

PATENT (CC, No, Kind, Date): EP 1085443 A2 010321 (Basic)

APPLICATION (CC, No, Date): EP 308024 000914;

PRIORITY (CC, No, Date): US 397419 990917

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-017/60

ABSTRACT EP 1085443 A2

A system for tracking usage of digital content on user devices. Content sites for distributing digital content over a computer readable medium to users. The content sites associate **unique** content **identifier** with the content associated. Electronic stores coupled to a network sell licenses to play digital content data to users. The licenses contain a **unique** transaction **identifier** for uniquely identifying the transaction, and the licenses contain a **unique** item **identifier** for uniquely identifying at least one item in the transaction. Content players, which receive from the network the licensed content data, are used to play the licensed content data. The content players produce a purchase identifier based upon the mathematical **combination** of the content identifier, the transaction identifier and the item identifier.

ABSTRACT WORD COUNT: 123

NOTE:

Figure number on first page: 18

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200112	694
SPEC A	(English)	200112	42226
Total word count - document A			42920
Total word count - document B			0
Total word count - documents A + B			42920

29/3,AB/2

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2001 European Patent Office. All rts. reserv.

01074611

Menu-driven television program access system and method

Menugesteuertes Fernsehprogrammzugangssystem und Verfahren

Systeme et methode de controle d'access de programmes de television a

**l'aide d'un menu**

**PATENT ASSIGNEE:**

DISCOVERY COMMUNICATIONS, INC., (1818010), 7700 Wisconsin Avenue,,  
Bethesda, MD 20814-3522, (US), (Applicant designated States: all)

**INVENTOR:**

Hendricks, John S., 8723 Persimmon Tree Road, Potomac, MD 20854, (US)  
Bonner, Alfred E., 8300 Bradley Boulevard, Bethesda, MD 20817, (US)

**LEGAL REPRESENTATIVE:**

Strehl Schubel-Hopf & Partner (100941), Maximilianstrasse 54, 80538  
Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 946060 A1 990929 (Basic)

APPLICATION (CC, No, Date): EP 99110233 931202;

PRIORITY (CC, No, Date): US 991074 921209

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; NL; PT;  
SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 862328 (EP 98103750)

EP 673580 (EP 94903361)

INTERNATIONAL PATENT CLASS: H04N-007/173

**ABSTRACT EP 946060 A1**

In a method for providing programming in a television delivery system, the programming is packaged at a television delivery center, wherein the package includes at least one program, and menu information related to the programming packaging is generated. The menu information is provided to terminals and stored therein the terminals. The menu information is displayed as programming menus, wherein a programming menu is displayed on a first portion of a display coupled to a terminal. When a program is chosen from the displayed programming menu, a program selection based on the program chosen is received from the displayed programming menu. The terminal is switched to a television channel carrying the chosen program, wherein the switching is completed in response to a single control function, and the chosen program is displayed on the display.

ABSTRACT WORD COUNT: 134

**NOTE:**

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9939	2790
SPEC A	(English)	9939	21289
Total word count - document A			24079
Total word count - document B			0
Total word count - documents A + B			24079

**29/3,AB/3**

DIALOG(R) File 348:EUROPEAN PATENTS

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00995506

**Communications network connection system and method**

**Kommunikationsnetzverbindungssystem und Verfahren**

**Systeme et procede de connexion d' un reseau de communication**

**PATENT ASSIGNEE:**

Atcom, Inc., (2568620), 308 'G' Street, San Diego, California 92101, (US)  
, (applicant designated states:  
AT;BE;CH;CY;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

**INVENTOR:**

Van Horne, Peter, 4444 Algeciras Street, San Diego, California 92107,  
(US)

Olson, Keith, 8891 Gowdy Avenue, San Diego, California 92123, (US)

Miller, Keith, 2568 Albatross Street, San Diego, California 92101, (US)  
LEGAL REPRESENTATIVE:

Beck, Simon Antony et al (79081), Withers & Rogers, Goldings House, 2  
Hays Lane, London SE1 2HW, (GB)

PATENT (CC, No, Kind, Date): EP 899925 A2 990303 (Basic)

APPLICATION (CC, No, Date): EP 98306917 980828;

PRIORITY (CC, No, Date): US 919397 970828; US 33443 980302; US 57028 980408

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE

INTERNATIONAL PATENT CLASS: H04L-029/06; H04L-012/14; H04M-015/00;

ABSTRACT EP 899925 A2

A system and method for remotely connecting client computers to a communication network such as the Internet by way of a server system and dynamically providing network connections to the client computers, including changing static communications settings to dynamic settings. Usage time can be **billed** and **tracked** and access software on client computers can be updated. A hot access port is provided for client system access in which a welcome signal is pushed from the server system to the access port. After a connection is made between the client system and the access port, the client system receives the welcome signal.

ABSTRACT WORD COUNT: 102

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9909	6813
SPEC A	(English)	9909	13684
Total word count - document A			20497
Total word count - document B			0
Total word count - documents A + B			20497

**29/3,AB/4**

DIALOG(R) File 348:EUROPEAN PATENTS

(c) 2001 European Patent Office. All rts. reserv.

00950513

**An operations center to be used in television program delivery**

**Operationszentrale fur Fernsehversorgungssystem**

**Centre d'exploitation pour un systeme de diffusion de television**

PATENT ASSIGNEE:

DISCOVERY COMMUNICATIONS, INC., (1818010), 7700 Wisconsin Avenue,,  
Bethesda, MD 20814-3522, (US), (applicant designated states:  
AT;BE;CH;DE;DK;ES;FR;GB;GR;IE;IT;LI;NL;PT;SE)

INVENTOR:

Hendricks, John S., 8723 Persimmon Tree Road, Potomac, MD 20854, (US)  
Bonner, Alfred E., 8300 Bradley Boulevard, Bethesda, MD 20817, (US)

LEGAL REPRESENTATIVE:

Strehl Schubel-Hopf & Partner (100941), Maximilianstrasse 54, 80538  
Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 862328 A1 980902 (Basic)

APPLICATION (CC, No, Date): EP 98103750 931202;

PRIORITY (CC, No, Date): US 991074 921209

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; NL; PT;  
SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 673580 (EP 949033617)

INTERNATIONAL PATENT CLASS: H04N-007/173; H04N-007/16;

ABSTRACT EP 862328 A1

An operations center for generating menus and a digital data signal to be used in television program delivery includes a receiver, wherein

information, including information on television programs, is received, a memory for storing the received information, a first processor for generating menus using the information stored in memory, a display operably connected to the first processor for displaying the generated menus, and an input device operably connected to the first processor for entering changes to the displayed menus.

ABSTRACT WORD COUNT: 80

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9836	2123
SPEC A	(English)	9836	21233
Total word count - document A			23356
Total word count - document B			0
Total word count - documents A + B			23356

29/3,AB/5

DIALOG(R)File 348:EUROPEAN PATENTS

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00942632

**Portable shopping and order fulfillment system**

**Tragbares Einkaufs- und Bestellausführungssystem**

**Systeme portable d'achats et d'exécution de commande**

PATENT ASSIGNEE:

SYMBOL TECHNOLOGIES, INC., (417665), One Symbol Plaza, Holtsville, New York 11742-1300, (US), (applicant designated states:

AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

INVENTOR:

Beach, Robert, 1850 Middleton Avenue, Los Altos, CA 94204, (US)

Tracy, William X., 33 Bellmore Street, Floral Park, NY 11001, (US)

Roslák, Thomas K., 34 Andy's Lane, Eastport, NY 11941, (US)

Klein, John, 220 La Via Azul Ct., Morgan Hill, CA 95037, (US)

LEGAL REPRESENTATIVE:

Wagner, Karl H., Dipl.-Ing. et al (12561), WAGNER & GEYER Patentanwälte  
Gewürzmühlstrasse 5, 80538 München, (DE)

PATENT (CC, No, Kind, Date): EP 856812 A2 980805 (Basic)  
EP 856812 A3 990506

APPLICATION (CC, No, Date): EP 97122695 971222;

PRIORITY (CC, No, Date): US 780023 961220; US 866690 970530

DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS: G06K-017/00;

ABSTRACT EP 856812 A2

The present invention relates to an improved order fulfillment system. The system is provided with improved data entry system for selecting items for purchase by a customer, and an improved item collection terminal and order delivery system. The portable terminal to be used for collecting of items is provided with an audio as well as video presentation means which are used to provide assistance to the to terminal user.

ABSTRACT WORD COUNT: 70

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9832	1856
SPEC A	(English)	9832	15736
Total word count - document A			17592
Total word count - document B			0
Total word count - documents A + B			17592

29/3,AB/6

DIALOG(R) File 348:EUROPEAN PATENTS

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00739525

**Multimedia service access apparatus and method**

**Multimedien Dienstzugangsvorrichtung und Verfahren**

**Appareil et methode d'accès a un service multimedia**

PATENT ASSIGNEE:

AT&T Corp., (589370), 32 Avenue of the Americas, New York, NY 10013-2412,

(US), (applicant designated states: DE;FR;GB)

INVENTOR:

Wellner, Pierre David, 82 Kings Highway, Middletown, New Jersey 07748,

(US)

LEGAL REPRESENTATIVE:

Johnston, Kenneth Graham et al (32381), AT&T (UK) Ltd. 5 Mornington Road,

Woodford Green Essex, IG8 OTU, (GB)

PATENT (CC, No, Kind, Date): EP 697793 A2 960221 (Basic)

EP 697793 A3 961218

APPLICATION (CC, No, Date): EP 95305420 950802;

PRIORITY (CC, No, Date): US 290663 940815

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: H04N-007/15; H04N-007/173;

ABSTRACT EP 697793 A3

The disclosed apparatus and method enables a user to control the selection of electronic multimedia services to be provided to the user by one or more servers over a communication medium. The apparatus includes a scanner means for reading marks on an object and for communicating a request signal, having an object code representing the read marks, to a user interface. The interface receives the request signal and transmits to the servers a request command including an interface identification code and the object code which is used to select the desired electronic multimedia service. The servers identify the selected electronic multimedia service using the object code. The interface then enables the selected electronic multimedia service transmitted from the servers to be received by the user's receiver. (see image in original document)

ABSTRACT WORD COUNT: 148

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	882
SPEC A	(English)	EPAB96	3271
Total word count - document A			4153
Total word count - document B			0
Total word count - documents A + B			4153

29/3,AB/7

DIALOG(R) File 348:EUROPEAN PATENTS

(c) 2001 European Patent Office. All rts. reserv.

00433402

**Computer system and method for work management**

**Rechnersystem und Verfahren zur Arbeitsverwaltung**

**Systeme et methode d'ordinateur pour gestion de travail**

PATENT ASSIGNEE:

HARTFORD FIRE INSURANCE COMPANY, (2055520), Hartford Plaza, Hartford,

Connecticut 06115, (US), (applicant designated states:

AT;BE;CH;DE;DK;ES;FR;GB;GR;IT;LI;LU;NL;SE)

INVENTOR:

Montresor, Beverly, 20 Brookfield Road, West Hartford Connecticut 06107,  
(US)

Long, Joseph, 73 Grennan Road, West Hartford Connecticut 06107, (US)

Fritz, Denise, 100 Hedgehog Lane, West Simsbury, Connecticut 06092, (US)

Retartha, Anthony, 121 Woodcreek Road, Burlington, Connecticut 06013,  
(US)

Barr, Robin, 44 Avonwood Road, Apt. 208, Avon, Connecticut 06001, (US)

Round, Mary Jo, 16 Judy Lane, South Windsor, Connecticut 06074, (US)

Duffy, Joan, 35 Hildurcrest Drive, Simsbury, Connecticut 06070, (US)

Hughes, David, 236, Lake Plymouth Blvd., Plymouth, Connecticut 06782,  
(US)

Benson, Ronald, Mine Road, Bristol, Connecticut 06010, (US)

Gaddas, John, R., 79 Wardwell Road, West Hartford, Connecticut 06107,  
(US)

Moore, Susan, 8 Bella Lane, Unionville, 06085 Connecticut, (US)

Guilmette, Robert, 5 Basswood Court,, Bloomfield, 06002 Connecticut, (US)

Prignon Gary, 33 Glennwood Drive, Plainville, Connecticut 06062, (US)

Patch Teresa, Weteringschans 95, NL-1017 RZ Amsterdam, (NL)

Girardini Joseph, 31 Kibbe Road, Ellington, Connecticut 06029, (US)

Maytubby Lymon, 16 Lake Street, South Windsor, Connecticut 06074, (US)

Beauchesne Linda, 16 Eastridge Drive, Santa Cruz, California 95060, (US)

Machnich Christopher, 117 Peach Tree Road, Glastonbury, Connecticut 06013  
, (US)

Burdick Maureen, 78 Davis Road, Burlington , Connecticut 06013, (US)

Pollnow, Russell, 80 Ralph Road, Manchester CO, (US)

Fletcher, Paul, 51 Hartwell Road, West Hartford CO, (US)

LEGAL REPRESENTATIVE:

Arthur, Bryan Edward et al (27782), Withers & Rogers 4 Dyer's Buildings  
Holborn, London EC1N 2JT, (GB)

PATENT (CC, No, Kind, Date): EP 472786 A1 920304 (Basic)

EP 472786 B1 960313

APPLICATION (CC, No, Date): EP 90309383 900828;

PRIORITY (CC, No, Date): EP 90309383 900828

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: G06F-017/60;

ABSTRACT EP 472786 A1

A computerized system and method for managing work in process is provided. An initial transaction records case specific information. The case specific information is automatically linked with a work source index which includes basic client information. An electronic file is created for each case arising out of the initial transaction record. As work is performed on the case, the system tracks its progress and provides a variety of support functions. An electronic activity log function maintains a record of key activities involved in the processing of work items. An electronic diary function provides a means for prioritizing work and for scheduling various tasks. A staff table function provides a facility for storing information relevant to office personnel. Most of the system functions are integrated with the staff table function which provides a number of security and function parameters. A text processing function is provided which integrates stored database information into preformatted and customized documents. A "local data" function provides a facility for customization of data recordation and output at the local level. Various other system functions provide the ability to modify, update, search and record additional case information.

ABSTRACT WORD COUNT: 190

LANGUAGE (Publication,Procedural,Application): English; English; English

34/3,AB/1

DIALOG(R) File 348:EUROPEAN PATENTS

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00430199

**Automated order and payment system**

**Automatisches Bestellungs- und Bezahlungssystem**

**Système automatique de commande et de paiement**

PATENT ASSIGNEE:

VISA INTERNATIONAL SERVICE ASSOCIATION, (2014320), Post Office Box 8999,  
San Francisco California 94128-8999, (US), (applicant designated  
states: AT;BE;CH;DE;DK;ES;FR;GB;GR;IT;LI;LU;NL;SE)

INVENTOR:

GOROG, Jonathan M., 1087 Safa Street, Herndon, VA 22070, (US)

LEGAL REPRESENTATIVE:

Carpmael, John William Maurice et al (29161), CARPMAELS & RANSFORD 43  
Bloomsbury Square, London, WC1A 2RA, (GB)

PATENT (CC, No, Kind, Date): EP 446500 A1 910918 (Basic)  
EP 446500 B1 990414

APPLICATION (CC, No, Date): EP 90302004 900226;

PRIORITY (CC, No, Date): EP 90302004 900226

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: G06F-017/60; G06F-007/00; G07G-001/00;

ABSTRACT EP 446500 A1

An **automated order and payment system** for use by consumers to rapidly order products and services from any location at which the consumer is present at the time of ordering. The system receives information about the products/services to be ordered by means of signals generated by scanning identification codes imprinted in **advertising** media or displayed to a consumer on a television screen. A special version of the invention is modified to accept voice command via a voice recognition means for those physically handicapped persons unable to perform manual data entry tasks. The consumer uses an optical scanning means embodied in a Order Computer Terminal to scan the identification code associated with a company and identification codes associated with the products/services desired. This product and company information is stored in the Order Computer Terminal along with credit information retrieved from a plurality of storage means used on credit cards and subsequently transmitted when desired by the consumer to a Central Computer System. The Central Computer System simultaneously receives information from multiple order computer terminals and verifies that the products or services from the desired company are in fact available. The Central Computer System also verifies the credit worthiness of the consumer by searching for such information from credit data bases. When the Central Computer System determines that the desired products/services are available and that the consumer is credit worthy, an order verification signal is sent to the individual consumer's order computer terminal whereupon the consumer verifies that he/she wishes to order the products/services communicated to the central computer system. Once the consumer verifies the order, the **automated order and payment system** places the order for the products/services desired and provides the appropriate credit reference to the supplier of the product/service. The **automated order and payment system** capabilities are more fully set forth herein. (see image in original document)

ABSTRACT WORD COUNT: 310

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9915	854
CLAIMS B	(German)	9915	821
CLAIMS B	(French)	9915	1025



SPEC B (English) 9915 4628  
Total word count - document A 0  
Total word count - document B 7328  
Total word count - documents A + B 7328

**34/3,AB/2**

DIALOG(R) File 348:EUROPEAN PATENTS

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00172347

**Interactive display for trend or bar graph.**

**Interaktive Anzeige für Histogramme oder Balkendiagramme.**

**Ecran interactif pour la representation de diagrammes a barres  
d'histogrammes.**

**PATENT ASSIGNEE:**

International Business Machines Corporation, (200120), Old Orchard Road,  
Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)

**INVENTOR:**

Stephens, L. Keith, 2400 Old Ivy Road, Charlottesville, VA 22901, (US)

**LEGAL REPRESENTATIVE:**

Bonneau, Gerard (14161), Compagnie IBM France Departement de Propriete  
Intellectuelle, F-06610 La Gaude, (FR)

**PATENT (CC, No, Kind, Date):** EP 188727 A2 860730 (Basic)  
EP 188727 A3 870527  
EP 188727 B1 930217

**APPLICATION (CC, No, Date):** EP 85115705 851210;

**PRIORITY (CC, No, Date):** US 692816 850122

**DESIGNATED STATES:** DE; FR; GB

**INTERNATIONAL PATENT CLASS:** G06F-003/02; G06F-003/023; G06F-003/037;

**ABSTRACT EP 188727 A2**

A system for the interactive control of a display such as a CRT or the like, produces a visual representation of at least one variable in the form of a trend or bar graph. The system includes a personal computer having a cursor control and a display. The system operator can select a variable for display, and then select a location within which the visual representation of the variable is to appear and a range of the variable which is to be displayed within the selected region. The system responds to the operator's selections for producing a visual representation in the form of a trend or bar graph of the selected variable within the selected range at the operator-selected location.

**ABSTRACT WORD COUNT:** 124

File 20:World Reporter 1997-2001/May 29  
(c) 2001 The Dialog Corporation  
File 623:Business Week 1985-2001/May W4  
(c) 2001 The McGraw-Hill Companies Inc  
File 810:Business Wire 1986-1999/Feb 28  
(c) 1999 Business Wire  
File 275:Gale Group Computer DB(TM) 1983-2001/May 25  
(c) 2001 The Gale Group  
File 621:Gale Group New Prod.Annou.(R) 1985-2001/May 25  
(c) 2001 The Gale Group  
File 624:McGraw-Hill Publications 1985-2001/May 24  
(c) 2001 McGraw-Hill Co. Inc  
File 636:Gale Group Newsletter DB(TM) 1987-2001/May 25  
(c) 2001 The Gale Group  
File 813:PR Newswire 1987-1999/Apr 30  
(c) 1999 PR Newswire Association Inc  
File 278:Microcomputer Software Guide 2001/May  
(c) 2001 Reed Elsevier Inc.  
File 634:San Jose Mercury Jun 1985-2001/May 18  
(c) 2001 San Jose Mercury News  
File 256:SoftBase:Reviews,Companies&Prods. 85-2001/Nov  
(c)2001 Info.Sources Inc

Set	Items	Description
S1	167703	(BILLING OR PAYMENT OR INVOIC? OR ACCOUNTING OR ACCOUNTS()- RECEIV?) (3N) (SYSTEM? OR MANAGEMENT? OR STATEMENT?)
S2	1194801	ADVERTIS? OR AD OR ADS
S3	3771024	COMBIN? OR MERG? OR MATCH?
S4	57064	(AUTOMATED OR ELECTRONIC? OR DATABASE? OR DATA()BASE?) (5N)- (BILLING OR ACCOUNTING OR INVOIC? OR PAYMENT? OR DEDUCTION?)
S5	466	TEARSHEET? OR TEAR()SHEET? OR AD?()ORDER() (SHEET? OR FORM? OR ENTRY)
S6	0	MANUAL?(2N)S5
S7	2509970	OBSOLETE OR OBSOLESC? OR ELIMINAT? OR TERMINAT? OR REMOV? - OR STOP?
S8	251364	(DATE? OR PAGE? OR NAME? OR CUSTOMER? OR SUBSCRIBER? OR AT- TRIBUTE?) (3N) (PUBLISH? OR PRINT? OR DATABASE? OR DIGITAL? OR - DIGITIZ?)
S9	31136	(TRACK? OR CHECK? OR VERIFY?) (3N) (BILL? OR CHARG? OR (DISP- LAY OR DIGIT?) ()AD? OR ADS OR ADVERTIS?)
S10	214	(CUSTOMER?() (INVOICE? OR BILL? OR STATEMENT?)) (5N) ((CUSTOM- ER?) (2N)AD?)
S11	1604	UNIQUE(2N)IDENTIFIER?
S12	1201	INTEGRAT?()ADVERTIS?
S13	448	(S1 AND S2)/TI,LP
S14	886	S2(S)S4
S15	49	S13 AND S14
S16	6	S15 AND (S8 OR S9)
S17	4	RD (unique items)
S18	0	S15 AND (S10 OR S11 OR S12)
S19	0	S13 AND S10
S20	186	S1(S)S2(S)S4
S21	1	S20 AND (S10 OR S11 OR S12)
S22	1	S21 NOT S17
S23	1	S9 AND S10 AND S4
S24	1	S23 NOT (S17 OR S21)
S25	5	S1 AND S8 AND S10
S26	4	RD (unique items)
S27	4	S26 NOT (S17 OR S21 OR S23)
S28	29884	DIGIT?() (DATA OR INFORMATION)
S29	2	S13 AND S28
S30	2	RD (unique items)
S31	2	S30 NOT (S17 OR S21 OR S23 OR S26)

S32 7 CO="ELECTRONIC IMAGING SYSTEMS" OR CO="ELECTRONIC IMAGING -  
 SYSTEMS INC." OR CO="ELECTRONIC IMAGING SYSTEMS, INC."  
 S33 1 S32 AND (S1 OR S28 OR S2 OR S4 OR S5 OR S8 OR S9 OR S10 OR  
 S11 OR S12)  
 S34 1 S33 NOT (S17 OR S21 OR S23 OR S26 OR S30)  
 S35 328 S3(5N)S28  
 S36 0 S35(7N)S4  
 S37 1 S35 AND S4  
 S38 1 S37 NOT (S17 OR S21 OR S23 OR S26 OR S30 OR S33)  
 S39 8 ADSTAT  
 S40 8 RD (unique items)  
 S41 7 S40 NOT (S17 OR S21 OR S23 OR S26 OR S30 OR S33 OR S37)  
 S42 311 AD?()STATISTICS  
 S43 0 S28 AND S42 AND S1  
 S44 6 S42 AND (S1 OR S4)  
 S45 5 RD (unique items)  
 S46 5 S45 NOT (S17 OR S21 OR S23 OR S26 OR S30 OR S33 OR S37 OR -  
 S40)

17/3,K/2 (Item 1 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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01444533 SUPPLIER NUMBER: 11099957 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Publisher consolidates on AS/400; Macfadden uses MDS system to process accounting for 16 magazines, replaces repetitive entry. (Macfadden Holdings' use of MDS Compnet's Accounting Solution financial software)**  
MIDRANGE Systems, v4, n16, p27(1)  
August 6, 1991  
ISSN: 1041-8237 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 377 LINE COUNT: 00031

**Publisher consolidates on AS/400; Macfadden uses MDS system to process accounting for 16 magazines, replaces repetitive entry. (Macfadden Holdings' use of MDS Compnet's Accounting Solution...**

TEXT:

...its 16 publications, which include True Story and Chief Executive. Macfadden processes all accounting functions -- **advertising** space **billing** through consolidated **statements** for the entire corporate group -- with specialized financial software created by MDS Compnet (New York...  
... wrote its Accounting Solution system to mirror the standard operations of a magazine publisher's **accounting** department. The software maintains an **electronic billing** card to store information on rates for an agency. It also **tracks** information on **advertisers**, products, lineage, color, frequency and the magazine or group of magazines where **advertisements** appear.

Macfadden reports that when an ad is to run in one of its publications...

17/3,K/3 (Item 1 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
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04085554 Supplier Number: 53710990 (USE FORMAT 7 FOR FULLTEXT)  
**Industry Briefs.**  
Retail Delivery News, v4, n2, pNA  
Feb 3, 1999  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 533

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...million to concentrate on its new Internet Web site. It also plans to begin an **advertising** and marketing campaign to support the site - RockLoans.com, which provides home mortgage loans. The...

...Countrywide Home Loans Inc. [CCR], will provide nearly 2 million Countrywide customers access to online **electronic billing** and **payment** through a central Web site of their choice using Atlanta-based **CheckFree** 's [CKFR] **bill payment system**. In the next few months, consumers will be able to send their Countrywide **payment electronically** by visiting the **CheckFree E-Bill** Web site, [www.mybills.com](http://www.mybills.com), or other financial service providers that offer **electronic bill** presentment and **payment**. With the signing of Countrywide, CheckFree now has contracts with more than 40 of the nation's top 100 **billers**. (Laurinda Wilson, **CheckFree**, 770/840-1608.)

17/3,K/4 (Item 2 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
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02421994 Supplier Number: 44812566 (USE FORMAT 7 FOR FULLTEXT)

**Acclaim-Equity Investment With Digital Pictures**

Interactive Facts, v1, n16, pN/A

July 4, 1994

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 527

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...services A.D.I. provides its affiliated companies are sales, forecasting, physical distribution, co-op **advertising management** , **electronic data invoicing** , drop -shipping, and **accounts receivable management** . A.D.I. executed the worldwide, simultaneous "street-dated" launches of both Mortal Kombat and NBA Jam which have generated nearly 10 million units in combined sales to **date** . **Digital Pictures'** titles are distributed in the U.S. and overseas, including Japan, France and the...

17/7/1 (Item 1 from file: 20)  
DIALOG(R) File 20:World Reporter  
(c) 2001 The Dialog Corporation. All rts. reserv.

02135322 (THIS IS THE FULLTEXT)

**SeaChange Cable Advertising Traffic and Billing System Now Available  
for General Order**

PR NEWSWIRE

July 07, 1998 12:59

**Cable TV Operators Leverage Single Vendor for Tightly Integrated Ad  
Sales**

Management and Digital Insertion

CAB Booth 430

MAYNARD, Mass., July 7 /PRNewswire/ -- Cable television operators are streamlining their entire advertising sales, traffic and billing operations with the SeaChange Advertising Management System, now available for general order in the U.S. from SeaChange International, Inc. (Nasdaq: SEAC). Developed by the cable industry's leader in digital advertising systems, the SeaChange Advertising Management System is a complete hardware and software solution for managing the logistics and finances of cable advertising.

"With years of dedicated cable advertising product development and close customer involvement, we bring to market a superior traffic and billing system that empowers cable operators by supporting the unique opportunity of multichannel, multi-zone advertising," said Bill Styslinger, president and CEO, SeaChange International, Inc. "Like our digital insertion solutions, Advertising Management shows our commitment to apply SeaChange engineering expertise to cable operators' ad business."

The broad range of Advertising Management System customers includes among others Charter Cable (Los Angeles), DirectLink of Oregon (Canby, Ore.), East Carolina Media Partners (Rockmount, N.C.), Intermountain Cable (Harold, Ky.), Media One (Fresno, Calif.), Time Warner Communications (Orlando), and the National Digital Television Center (Littleton, Colo.).

The SeaChange Advertising Management System supports all ad revenue streams. Whether an advertising strategy encompasses spots, infomercials, classifieds, long-form or local tagging of national spots, operators need only work with one solution combining software, hardware and support from a single vendor.

"We chose SeaChange after a four-year search for a financially strong traffic and billing provider who is absolutely committed to the technology," said Richard Lewis, operations manager, Time Warner Communications, Orlando, Fla. "In that time, we saw SeaChange recruit the engineering and support talent necessary to make their solution viable, all while building formidable expertise in developing complementary digital advertising systems."

The SeaChange Advertising Management System combines dynamic spot scheduling, integration with the SeaChange Spot digital insertion system, and a battery of customizable management reports to enable cable operators to achieve maximum 'book-to-bill' ratios, accurately evaluate sales performance, and deliver verifiable billing information to customers while consistently maintaining the highest possible margins. Additionally, the system integrates tightly with the SeaChange Spot digital insertion system, allowing cable TV operators to work with SeaChange for optimal performance of their entire ad operations.

"The product is designed to work the way we work. We desire a lot of format options and the system is Windows-based, so everyone's more familiar with it," said Mercedes Costales, the National Digital Television Center's supervisor of spot insertion for the PrimeStar DBS Service. "Since going to SeaChange, we believe we're working with a company that responds to its customers."

The Windows NT-based Advertising Management System includes a PC workstation running the Advertising Management Server, a Microsoft SQL

**database** to **track** traffic and **billing** parameters and spot performance. An additional PC includes the **Advertising** Management Job Manager software for spot scheduling and reporting, and the **Advertising** Management Client interface for data entry and retrieval. All system components are scalable for growth with the **ad** sales organization. Time required for site integration is minimized since SeaChange builds most of the **database** according to **customer** preference prior to shipping the system. SeaChange also backs the system with a phased training program to take customers from installation through the first billing period.

#### Pricing

Per-site pricing for the Advertising Management System hardware and software is based on the number of advertising zones and channels supported. Customer service programs cover 24x7 product support and product enhancements.

Founded in 1993, SeaChange International, Inc., of Maynard, Mass. ([www.schange.com](http://www.schange.com)), develops video server systems and software to manage, store and distribute digital video for television operators and telecommunications companies. The Company's turnkey systems automate the distribution of short- and long-form MPEG video streams including advertisements, movies, news updates and other video programming requiring precise, accurate and continuous execution. SeaChange's products are installed in hundreds of geographic markets and serve approximately 14,000 television channels worldwide.

SeaChange Advertising Management System and SeaChange SPOT System are trademarks of SeaChange International, Inc.

All rights reserved. All other products are trademarks of their respective owners.

/CONTACT: John Coulbourn of SeaChange International, 978-897-0100, ext. 3098, [johnc@schange.com](mailto:johnc@schange.com)/ 12:41 EDT

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22/3,K/1 (Item 1 from file: 275)  
DIALOG(R) File 275:Gale Group Computer DB(TM)  
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02426598 SUPPLIER NUMBER: 64340436 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
DTI's new line takes shape.(Digital Technology's ClassSpeed)(Product  
Announcement)  
Seybold Report on Publishing Systems, 29, 18, 11  
August 21, 2000  
DOCUMENT TYPE: Product Announcement ISSN: 0736-7260 LANGUAGE:  
English RECORD TYPE: Fulltext  
WORD COUNT: 1372 LINE COUNT: 00109

... using the 30 customizable header fields that are provided, in  
addition to the standard fields.

**Advertising** . On the **advertising** side, DTI featured AdSpeed Web  
Publisher, with a new Web order entry facility and other enhancements. It  
serves button and banner **ads** dynamically in rotating positions on all of  
a site's Web pages. The position and frequency are based on booking  
information and recorded page views, which ensures that **advertisers**  
receive due exposure for their **ads** . Booking is done through the same  
entry system used for print **ads** , which facilitates cross- selling of Web  
and print **ads** and enables unified **billing** .

The **system** supports "**electronic** full-page **ads** ," linked to  
button **ads** . These **ads** -sold, hosted and often created by the  
newspaper-can be more timely and more effective than a button or banner **ad**  
alone and can be changed faster than most retailers change their own sites  
on the...online content directly from the database. Photos and editorial  
graphics will be managed using ImageSpeed. **Integrated advertising** and  
editorial pagination will use PlanSpeed.

The project began on Aug. 1 with the advertising...



24/3,K/1 (Item 1 from file: 813)  
DIALOG(R) File 813:PR Newswire  
(c) 1999 PR Newswire Association Inc. All rts. reserv.

0525717 FL007  
SOUTHERN BELL REACHES AGREEMENT WITH STATEWIDE PROSECUTOR; \$15.2 MILLION  
DISTRIBUTED TO CUSTOMERS

DATE: October 9, 1992 15:11 EDT WORD COUNT: 2,550

...revealed that a few  
Southern Bell employees were involved in adding a \$1 charge to  
customers' bills by adding the trouble isolation plan without  
customer  
authorization. It is thought that the employees were seeking...In order  
to correct our data bases, such a computerized comparison of our central  
office data base was made with our billing records. Two kinds of  
errors  
were found:

1) features were working on lines which customers...000 customers, who  
received

optional services through non-contact sales. The  
customers are asked to check their bills for services  
they did not order.

1992

January-

July Negotiations take place between the Florida...

27/3,K/1 (Item 1 from file: 275)  
DIALOG(R) File 275:Gale Group Computer DB(TM)  
(c) 2001 The Gale Group. All rts. reserv.

02308391 SUPPLIER NUMBER: 55005848 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**M&A Impact: ADC Moves into Customer Billing with Saville.(Saville Systems, ADC Telecommunications)**  
Computergram International, 3691, NA  
June 28, 1999  
ISSN: 0268-716X LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 1199 LINE COUNT: 00099

**M&A Impact: ADC Moves into Customer Billing with Saville.(Saville Systems, ADC Telecommunications)**

TEXT:

...quarters in a row, the acquisition vultures began hovering over the beleaguered customer care and **billing systems** vendor. When Saville's stock lost four-fifths of its value and hit the \$10...  
... estimates the corporate expenditure on telecoms software last year was \$18 billion, of which customer **billing** and operational **systems** support was a multi-billion dollar segment, destined to grow 30% per year. Analysts at...

...the influx of new carriers that has flooded the market in recent years. "A customer **billing system** is one of the first software systems a new entrant requires. There is no point...

...cable operators and telcos is only likely to increase the demand for customer care and **billing systems** which can charge a customer for all its services in one hit and insure customer loyalty through a sophisticated back-end **database** that tracks **customer** requirement and needs, say analysts.

Not only will ADC target CBP at its existing installed...quite done yet," says Switz. Likely acquisition targets include internet billing software companies that provide **payment systems** over the web, such as TAI, Solect Technology and Belle **Systems**. "Internet **billing** is still a separate market but when it starts encroaching on our business we will...

27/3,K/3 (Item 3 from file: 275)  
DIALOG(R) File 275:Gale Group Computer DB(TM)  
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01308934 SUPPLIER NUMBER: 07592924 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**RealWorld Accounting System. (Software Review) (one of eight local area network-based accounting software packages evaluations) (evaluation)**  
August, Raymond; Joscher, Peggy; White, Tom  
PC Magazine, v8, n16, p214(4)  
Sept 26, 1989  
DOCUMENT TYPE: evaluation ISSN: 0888-8507 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 2186 LINE COUNT: 00174

**RealWorld Accounting System. (Software Review) (one of eight local area network-based accounting software packages evaluations) (evaluation)**

ABSTRACT: RealWorld Corp's \$795 **RealWorld Accounting System 5.0** multiuser **accounting** software package was judged a moderately powerful and very reliable **accounting system** best suited for small and medium-sized businesses that are anticipating expansion. The availability

of...

...handling general accounting tasks was judged excellent, while good marks were given to its financial **accounting**, enterprise **management** reporting and decision support capabilities. RealWorld's multiuser performance lagged behind the competition.

TEXT:

RealWorld Corp.'s RealWorld **Accounting System**, first released in 1980, has its origins in the popular MCBA minicomputer package. The latest

... records during data entry.

Overall you will find an excellent audit trail. Each report is **printed** with the **date** and time and is assigned a unique number. In addition, unique reference numbers are assigned...

...This screen displays a report's description, creation date and time, users' initials, and previous **printing dates**. Multiple copies can be printed, and reports deleted, at your discretion, with no need to go through DOS. GENERAL LEDGER

Companies who have found the account number lengths of other **accounting systems** limiting should be pleased with Version 5.0's significantly enhanced account structure. You can...can also be applied to a customer's account to create a credit balance.

In **addition to customer statements**, A/R will print sales and cash receipts journals, a commissions-due report, and a...

...furnish plenty of power for small- to medium-sized wholesalers and distributors. The O/E **system** prepares **invoices** and picking tickets and is able to process drop shipments to customers. Availability checking is...

...other applications, such as a spreadsheet, with the Data Bridge.

RealWorld is a solid, proven **accounting system** with many features that should appeal to small and medium-sized businesses anticipating growth. Its...

TRADE NAMES: RealWorld **Accounting System** 5.0 (Computer program...

27/3,K/4 (Item 4 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01176430 SUPPLIER NUMBER: 00657137 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**An All-Inclusive Accounting Library.**

Falkner, Mike; Fitzhenry, Pat; Dauphinais, G. William

PC Magazine, v5, n3, p187-189

Feb. 11, 1986

DOCUMENT TYPE: evaluation ISSN: 0888-8507 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 3991 LINE COUNT: 00314

TEXT:

...impressive collection of fully integrated accounting applications aimed at the high end of the PC **accounting system** market. This **system**, called The Business Library, was originally written for a multiuser environment and has been available...

The Business Library **system** contains eight **accounting** modules: General Ledger, Accounts Payable, Accounts Receivable, Sales Order Entry, Inventory, Payroll, Purchase Order Tracking...

...and Project Tracking. Three utility modules--Librarian, Business Analyzer, and Information Retrieval--complete the basic **accounting**

**system** . Several other complementary modules are available from DynaMicro, including programs for word processing and tax...

...package. This process consists of establishing passwords and other parameters required to run the system (**printer** codes, company **name** , drive designations, and so forth). Once you've installed the Librarian, you can install any...

...SCRN:), the system aborted and gave us a fatal error, forcing us to reboot the **system** .

#### **ACCOUNTS RECEIVABLE**

The **Accounts Receivable** module functions nicely as either a standalone package or as an integral part of The...

...ledger accounts for both cash and accounts receivable, which you use for recording cash and **customer invoices** . In **addition** , it allows four different finance charge percentages and three variable aging periods. The installation procedures...

...the system produce customer statements weekly, monthly, or not at all for each customer.

The **system** receives **invoice** data directly from the Sales Order Entry module. In addition, you can enter invoice data...number. This kind of multiple-site inventory-tracking ability is a rarity among microcomputer-based **accounting systems** .

The Inventory module is neatly integrated with the Purchase Order Tracking and Sales Order Entry...

...don't believe this module would function all that well as a point-of-sale **system** . The **billing** process requires you to use multiple screens for charge sales, and you cannot print invoices...produced by the order entry module is the backlog/back order report, which you can **print** out by **customer** , by day, and by item number and site. The system also lists lost sales by...

27/3,K/2 (Item 2 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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01947177 SUPPLIER NUMBER: 18383739 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Nexpo '96 preview: something for everyone in Las Vegas. (includes related article on participating companies) (Industry Trend or Event)**  
Seybold Report on Publishing Systems, v25, n17, p3(22)  
May 31, 1996  
ISSN: 0736-7260 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 19061 LINE COUNT: 01527

... the DataFlow ad-tracking and production-management system with a Web extension to support electronic proofing and delivery of advertising, in addition to a Web-page advertising **database** .

MediaSphere/W3 is a Web extension to the MediaSphere archive system, providing browsing capabilities for MediaSphere clients through the Netscape 2.1 browser or equivalent...client- server software for circulation and TMCs, based on NT and Oracle 7. It is now being tested at the Cedar Rapids (IA) Gazette. A **system** for display ad **accounts receivable** , for Windows and Oracle 7, also will be shown. It is in testing at the Spokane (WA) Spokesman-Review.

DataTimes1853

DataTimes will feature its EyeQ...devices and output management products. Highlights include:

GUSS output system. A new version of the Graphics Universal SubSystem supports software multiplexing to remote printing sites, **digital** proofing of rasterized **pages** (viewable on screen to provide a visual check,

followed by release for imaging, an error report to the owner, etc.), digital double-burning by bitmap...XyWrite for Windows for editors), DASH for display ads, CASH for classified ads, XP-Link to link Mac and PC workstations to the SP-21 **database** , **PageTrak** for tracking the status of pages and elements, and the XP-21 server.

HighWater Designs See Foley, Torregiani & Associates

Howtek See Pitman

IBM844

IBM will...also feature article later in this issue.

Parascan Technologies2205

Parascan, which markets systems for ink presetting, color proofing and plate tracking, plus ink-jet plate **printers** and **page** area reader scanners, will exhibit its latest Visualizer color proofing terminal. It features new color correcting monitors and new software.

PCCSee Pitman

Pitman1249

As in...first public showing of the SCS/AdMax advertising and management system, which has been installed in two sites in Maine (Waterville and Augusta). It combines **ad** entry, **customer billing** , **accounts receivable** , credit and sales **management** , and user-definable reporting into one system.

It accommodates multiple products in one entry session, routes ads for special handling, upsells ads based on number...

31/3,K/1 (Item 1 from file: 20)  
DIALOG(R)File 20:World Reporter  
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14699927 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Dot-coms seek new revenue sources; Web businesses trying to**  
KOREA HERALD

January 18, 2001

JOURNAL CODE: FKHD LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 1146

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... Jang-jin Staff reporter Is the free ride on the Web drawing to a close? Beset by mounting pressure to make profits amid dwindling online ads , dot-coms are increasingly moving to charge for their services, an attractive option to diversify their revenue streams. But watchers say an uphill battle is ahead. Consumers have long become accustomed to the idea of free content. Online businesses still lack pricing and payment systems comparable to those offline in safety and stability. Internet hub site Intizen announced Monday that it will charge fees for the use of its premium...

... sector maelstrom and regain investor confidence. Attempts to introduce fee based services were begun in earnest late 2000, when it became clear that the online ad market had slowed down. Mega portal Internet.com, backed by Internet service provider Thrunet, is one of the trendsetters, garnering considerable revenue by charging for...

... to harness technology called digital rights management (DRM) that provides a common foundation for authors, publishers, enterprises and others to define the rules for using digital information and building commercial models.

Another promising technology in this area is "digital watermarking" which protects proprietary digital contents by embedding tags in images, sounds, or...

31/3,K/2 (Item 2 from file: 20)  
DIALOG(R)File 20:World Reporter  
(c) 2001 The Dialog Corporation. All rts. reserv.

04988556 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**IRT Business & Finance (Observer): TV licence is unwieldy way to fund RTE**  
OLIVER O'CONNOR

IRISH TIMES, p55

April 16, 1999

JOURNAL CODE: FIRT LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 814

(USE FORMAT 7 OR 9 FOR FULLTEXT)

...65 million, even if An Post is the most efficient possible gatherer of the licence fee (a tax). An Post has 1,900 branches, various payment systems , some inspectors, and advertising costs to meet. It has, it claims, exceeded the targets for collection of licence fees set by RTE for 13 years in a row. Still...

... to access it is much more expensive. It seems inevitable that TV 'broadcasting' will follow this pattern, and that the cost of accessing publicly broadcast, digital , information via the Internet will fall. The convergence between computers and TVs is finally on the way. In this scenario, it will begin to look ridiculous...

34/3,K/1 (Item 1 from file: 275)  
DIALOG(R) File 275:Gale Group Computer DB(TM)  
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01683979 SUPPLIER NUMBER: 15375630 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Color input devices. (Seybold Special Report: Seybold Seminars Boston '94, part I) (Product Announcement)**  
Seybold Report on Publishing Systems, v23, n15, pS25(14)  
April 22, 1994  
DOCUMENT TYPE: Product Announcement ISSN: 0736-7260 LANGUAGE:  
ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 15166 LINE COUNT: 01168

... required.

Based on the success so far of the Smart 340 in the newspaper arena, the 340L should provide key benefits for newspapers in handling **advertisements** supplied as camera-ready copy. Beta testing began recently, with release scheduled for the third quarter. The 340L is priced at \$55,000.

Smart 730...serve for computer presentations, and 640x480, good enough for some newspaper applications when the photos will be run small, such as real-estate or car **ads**. Eight of the latter images or 32 of the former can be stored in the unit's memory.

After pictures have been taken, the camera...digital cameras as well as the "Dave's dogma" eommentary, is a noted prepress consultant on digital imaging. Last year, he published the most definitive **digital** camera comparison to **date**, titled the **Digital** Photography and Camera Study. He can be reached at (310) 455-1136. The other portions of this section were prepared by our regular editorial staff...are an added plus. Finally, Print Photo CD discs are a bridge to multimedia publishing as the requirement to repurpose content and move beyond the **printed page** continues.

A final benefit of Print Photo CD, according to Anderson, is Kodak's work with the major color system manufacturers to agree on a...

...Another option is to copy them to another Print Photo CD disc for digital distribution, for use in applications such as direct digital distribution of **advertising**. The client can archive required files from the disc, or the color service provider can archive the disc itself as a digital job jacket.

This...to Photo CD images through its new Resolut PS board for the Macintosh. It allows users to bring Photo CD scans as well as other **digital data** sources (such as digital cameras) into the Scitex prepress environment.

Later this year, Scitex hopes to offer the ability to create Print Photo CDs at...

...COMPANY NAMES: **Electronic Imaging Systems Inc**

38/3,K/1 (Item 1 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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02018652 SUPPLIER NUMBER: 18957706 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**IFRA, part II: European newspaper systems, image input and archiving.**  
(includes related articles on 4-Sight's ADS System 5.0, international  
news available on PressPoint's network, and newspapers on the Internet)  
(Industry Trend or Event)  
Tribute, Andrew; Joner, Urban; Rossello, Rosanne; Edwards, Stephen E.  
Seybold Report on Publishing Systems, v26, n6, p3(27)  
Nov 30, 1996  
ISSN: 0736-7260 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 20741 LINE COUNT: 01601

... with us, albeit of decreasing frequency, for a long time in the  
future. These films can be digitized by scanning the four pieces to produce  
**digital data** that can be **merged** with the rest of the publication.

Tecsa's Tim Coldwell noted another reason that dot-for-dot scanners  
may find a place in businesses of...Newspapers will be able to sell ads in  
increments as short as minutes or as long as months. The ads are then  
imported into the **database** where customer and **accounting** information  
are added. AdStat supplies statistical information about ads, such as  
number of hits, click throughs etc. This information can also be accessed  
online by...



41/3,K/1 (Item 1 from file: 810)  
DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0398897 BW942

**COMMUNITY HEALTH COMPUTG: CHC SIGNS AGREEMENT TO INSTALL COMPREHENSIVE  
CLINICAL AND FINANCIAL INFORMATION SYSTEM AT COLUMBUS COUNTY HOSPITAL,  
WHITEVILLE, N.C.; System Will Demonstrate Enterprise-Wide Integration  
In Open Systems Technology**

April 18, 1994

Byline: Business Editors

...information.

Implementation of the integrated, enterprise-wide system will be managed in a three phase project. In Phase I, CHC will install the FinStat and AdStat financial and administrative systems. In Phase II, CHC will install all of the clinical systems, including the CareStat patient care system, the RxStat pharmacy information...

41/3,K/2 (Item 2 from file: 810)  
DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0392976 BW858

**COMMUNITY HLTH COMPUTNG: CHC signs with Wessex Hospitals for healthcare  
information systems**

March 21, 1994

Byline: Business Editors

...United Kingdom, and will provide unmatched system performance and durability.

The Infostat system modules to be installed at the sites will include the FinStat(TM) AdStat (TM) financial and administrative systems, CareStat(TM) patient management system and the ExecView(TM) executive information system. The current implementation schedule calls for the financial...

41/3,K/3 (Item 3 from file: 810)  
DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0358482 BW299

**CHC CORP: CHC CORP. REPORTS THIRD QUARTER RESULTS**

September 27, 1993

Byline: Business Editors

...award with a military unit (The Royal Air Force); (iv) a recent penetration of the United Kingdom market with the Company's FinStat(TM) and AdStat (TM) financial and administrative products at a site in Oxford Region and; (v) the positive early market reaction and acceptance of the company's new...

**41/3,K/4 (Item 1 from file: 275)**  
DIALOG(R) File 275:Gale Group Computer DB(TM)  
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01674879 SUPPLIER NUMBER: 15068645 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**1994 market directory issue: more than 600 information technology company listings. (vendors of health technology-related products and services, organizations and events) (Directory)**  
Health Management Technology, v15, n3, p14(113)  
Feb 15, 1994  
DOCUMENT TYPE: Directory LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT;  
ABSTRACT  
WORD COUNT: 69033 LINE COUNT: 06228

... Little market Analyst Market: National; United Kingdom All Hospitals; HMO/PPO/Managed Care; Long-term Care; Clinics/Group Practices  
Product Name: LabCare, LabStat, Radcare, Radstat, **AdStat**, CareStat, FinStat, RNStat, RxStat Primary Application: Laboratory, Radiology, Core HIS Hardware/Operating System: Stratus, Hewlett packard PA-9000, UNIX  
Online, real-time processing and a...

**41/3,K/5 (Item 1 from file: 621)**  
DIALOG(R) File 621:Gale Group New Prod.Annou.(R)  
(c) 2001 The Gale Group. All rts. reserv.

01249072 Supplier Number: 44528386 (USE FORMAT 7 FOR FULLTEXT)  
**CHC SIGNS WITH WESSEX HOSPITAL FOR HEALTHCARE INFORMATION SYSTEMS**  
News Release, pN/A  
March 21, 1994  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1011

... the United Kingdom, and will provide unmatched system performance and durability.  
The Infostat system modules to be installed at the sites will include the FinStat/**AdStat** financial and administrative systems, CareStat patient management system and the ExecView executive information system. The current implementation schedule calls for the financial, administrative and patient...

**41/3,K/6 (Item 1 from file: 636)**  
DIALOG(R) File 636:Gale Group Newsletter DB(TM)  
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02031138 Supplier Number: 43685348 (USE FORMAT 7 FOR FULLTEXT)  
**CHC IPO prospectus reveals \$2.6 million net FY 92 income**  
National Report on Computers & Health, v14, n5, pN/A  
March 1, 1993  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 586

... lion, up 27.3% from \$21.9 million in the prior year. CHC said the increase was due mainly to sales of its Finstat (financials), **Adstat** (administrative/ management) and RNstat products. Revenue from support and maintenance totalled \$15.5 million in FY 92, up from \$13.2 million in FY 91  
...

...developing a lab information system called Labstat. A limited version of

Labstat for use in small facilities and that operates with CHC's Finstat and **Adstat** products is to be out in mid-1993. A stand-alone version of Labstat is slated for release in late 1993. Labstat will replace another...

41/3,K/7 (Item 1 from file: 813)  
DIALOG(R) File 813:PR Newswire  
(c) 1999 PR Newswire Association Inc. All rts. reserv.

0648914 NY061  
CHC SIGNS NEW U.S. HOSPITAL INFORMATION SYSTEM CONTRACTS

DATE: November 9, 1993 11:32 EST WORD COUNT: 188

...bed acute care facility in Albuquerque, N.M.  
has signed a contract with CHC for the RadStat(TM) radiology information system, the FinStat(TM) and **AdStat** (TM) Financial and Administrative Management Systems, the RxStat(TM) pharmacy information system, and the RNStat(TM) nursing information system;

Doctor's Hospital, a 92-bed acute care facility in Wentzville, Mo.  
has signed a contract with CHC for the FinStat and **AdStat** financial and administrative management systems, and the RxStat pharmacy information system; Memorial Hospital and Medical Center, a 272-bed acute care facility in Midland, Texas...

46/3,K/1 (Item 1 from file: 810)  
DIALOG(R) File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0285031 BW352

**BART: BART takes next step in integrating Bay Area transit**

June 23, 1992

Byline: City Desks

...other Bay Area transit systems successfully implemented an expanded BART Plus ticket program, enabling Bay Area commuters to transfer between BART and all connecting bus **systems** without separate **payment** . Next year fare coordination will get a further boost with the "Translink" ticket demonstration in Contra Costa County, benefiting commuters and occasional riders alike.

According...

...3,750,000

Cost to conduct annual regional  
coordination survey and administer  
program:

\$ 250,000

Total STA monies:

\$4,000,000

\*T

(a) Based on **adjusted statistics** from the 1987 Passenger Profile and the 1991 BARTPlus Surveys.

CONTACT: BART, Oakland  
Mike Healy, 510/464-7110

KEYWORD: CALIFORNIA

INDUSTRY KEYWORD: TRANSPORTATION GOVERNMENT

46/3,K/2 (Item 1 from file: 275)  
DIALOG(R) File 275:Gale Group Computer DB(TM)  
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01253141 SUPPLIER NUMBER: 06888437 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**The check register. (Small-Business Series Part Four)**  
Nelson, Stephen L.  
Lotus, v4, n8, p68(5)  
Aug, 1988  
ISSN: 8756-7334 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 1964 LINE COUNT: 00153

... deposits into their proper classifications. If these two amounts fail to agree, you've made an error either entering or distributing a check or deposit.

**ADDING STATISTICS TO THE MODEL**

Once you've put your business's check register into 1-2-3 or Symphony, you're ready to use the statistical...more than the available balance in your account, both the cash flow statement and the check-register statistics will be misleading. Second, the cash flow **statement** uses cash-basis **accounting** ; it therefore hides both accrued and deferred revenues and expenses. In other words, this cash flow doesn't tell you if you're operating a...

46/3,K/3 (Item 1 from file: 621)  
DIALOG(R) File 621:Gale Group New Prod.Annou.(R)

(c) 2001 The Gale Group. All rts. reserv.

01843997 Supplier Number: 54322680 (USE FORMAT 7 FOR FULLTEXT)

**PharMerica Introduces Flexible Approach to Pharmacy Consulting; Enhanced Program is Designed to Help Long-term Care Facilities Contain Costs and Improve Patient Care.**

Business Wire, p0152

April 8, 1999

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 573

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...vice president of marketing and sales. Consult Pro consulting services will also better service our customers as they begin to operate under the new Prospective **Payment System** (PPS) for reimbursement.

... Managing costs of new, expensive and often highly effective drugs in the treatment of debilitating diseases has become one of healthcare's greatest challenges, Jones **added . Statistics** from phase I of a recent Fleetwood Study, conducted by the American Association of Consultant Pharmacists, showed the cost of drug-related morbidity and mortality...

**46/3,K/4 (Item 2 from file: 621)**

DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

(c) 2001 The Gale Group. All rts. reserv.

01365434 Supplier Number: 46281113 (USE FORMAT 7 FOR FULLTEXT)

**NETGRAVITY TEAMS WITH CYBERCASH TO ADVANCE BUSINESS OPPORTUNITIES ON THE INTERNET**

PR Newswire, p403SFW009

April 3, 1996

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 898

... CyberCash intend to collaborate toward standards needed for business revenues on the Internet. Combining the NetGravity AdServer advertising management system with the CyberCash Secure Internet **Payment System** will provide a complete business solution for Web commerce and advertising support.

"Some experts say that content is king on the Internet; but in reality ...

...system is designed to allow most banks to offer secure Internet payments to their merchants. CyberCash works with virtually all credit card processing institutions, enabling **payments** by credit card, **electronic** check and electronic coin to be instantaneously processed. CyberCash has established strategic relationships with major technology companies such as Cisco Systems, Intel Corporation and VeriFone...

...Password accessible from any Web browser, the online calendar automates ad placement for Web sites, eliminating manual errors and saving on administration costs.

Key Reports

**Ad statistics** are easily accessible by Web administrators and remotely by advertisers 24 hours per day if a site desires, allowing Web sites and their advertisers to...

**46/3,K/5 (Item 1 from file: 636)**

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

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04769513 Supplier Number: 64987505 (USE FORMAT 7 FOR FULLTEXT)

**VIDEO NOTES.**

Video Week, v21, n35, pNA

Sept 4, 2000

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 2117

... loss the company may suffer at the hands of (U.S. Dist. Court, San Francisco) Judge Patel," and will be able to switch to mandatory **payment system** if Napster loses. Program, a U.S.- Canadian venture, will be operating this month, Topical Networks co-founder Matt Miszewski told us. Asked ...Internet Group said it would produce Web-based enhancements to Mon. Night Football and ESPN Sun. Night Football telecasts throughout NFL season. Enhancements include contests, **additional statistics**, enhanced graphics, freeze frames, polls, trivia. -----

Nintendo Gamecube doesn't use Matsushita's M2 technology, Matsushita spokesman told us last week. Spokesman also confirmed that...

DATE BEF 10/16/1998 AND (SCS OR SOFTWARE CONSULTING SERVICES) AND ADMAX

Your search request has found 6 STORIES through Level 1.  
To DISPLAY these STORIES press either the KWIC, FULL, CITE or SEGMENTS key.  
To MODIFY your search request, press the M key (for MODIFY) and then the ENTER key.

For further explanation, press the H key (for HELP) and then the ENTER key.

LEVEL 1 - 6 STORIES

1. The Seybold Report on Publishing Systems, June 15, 1998, No. 18, Vol. 27; Pg. 11; ISSN: 0736-7260, 32 words, Software Consulting Services; to show GoodNews for editorial, AdMax for advertising, ClassPag for classified pagination and SCS/Track for advertising management applications during Nexpo 1998; Industry Trend or Event; Product Information
2. Editor & Publisher Magazine, September 14, 1996, news tech; Pg. 26, 93 words, SOFTWARE CONSULTING SERVICES, Jim Rosenberg
3. Editor & Publisher Magazine, September 14, 1996, news tech; Pg. 26, 93 words, SOFTWARE CONSULTING SERVICES, Jim Rosenberg
4. Editor & Publisher, September 14, 1996, Vol. 129, No. 37 Pg. 26; ISSN: 0013-094X; CODEN: DISMAD, 653 words, Publishing system installations, 01295232
5. The Seybold Report on Publishing Systems, July 29, 1996, No. 21, Vol. 25; Pg. 3; ISSN: 0736-7260, 40747 words, Nexpo '96, II: editorial and advertising systems and electronic publishing; includes related article on Freedom System Integrators' addition of Phrasea to its product line; Industry Trend or Event, Tribute, Andrew; Edwards, Stephen; Rossello, Rosanne; Drennan, Bill; Fischer, Christina
6. The Seybold Report on Publishing Systems, May 31, 1996, No. 17, Vol. 25; Pg. 3; ISSN: 0736-7260, 19249 words, Nexpo '96 preview: something for everyone in Las Vegas; includes related article on participating companies; Industry Trend or Event



LEVEL 1 - 1 OF 6 STORIES

Copyright 1998 Information Access Company,  
a Thomson Corporation Company;

ASAP

Copyright 1998 Seybold Publications Inc.  
The Seybold Report on Publishing Systems

June 15, 1998

SECTION: No. 18, Vol. 27; Pg. 11; ISSN: 0736-7260

IAC-ACC-NO: 20801335

LENGTH: 32 words

HEADLINE: Software Consulting Services; to show GoodNews for editorial,  
AdMax for advertising, ClassPag for classified pagination and SCS/ Track for  
advertising management applications during Nexpo 1998; Industry Trend or Event;  
Product Information

BODY:

Software Consulting Services (247) will feature GoodNews for editorial,  
AdMax for advertising, ClassPag for classified pagination and SCS/ Track for  
advertising management applications.

IAC-CREATE-DATE: January 24, 1999

LOAD-DATE: February 08, 1999

LEVEL 1 - 2 OF 6 STORIES

Copyright 1996 Editor & Publisher Co., Inc.  
Editor & Publisher Magazine

September 14, 1996

SECTION: news tech; Pg. 26

LENGTH: 93 words

HEADLINE: SOFTWARE CONSULTING SERVICES

BYLINE: Jim Rosenberg

BODY:

Nazareth, Pa.

AdMax for Guy Gannett Communications' Central Maine Morning Sentinel,  
Waterville, and Kennebec Journal, Augusta; Strategic Mapping for New York's  
Village Voice; Layout-8000 and SCS/ Track and Florida Today, Melbourne;  
SCS/ Circulation at the Albany (Ga.) Herald

LOAD-DATE: September 18, 1996

5TH STORY of Level 1 printed in 50 VAR KWIC format.

Copyright 1996 Information Access Company,  
a Thomson Corporation Company;  
ASAP  
Copyright 1996 Seybold Publications Inc.  
The Seybold Report on Publishing Systems

July 29, 1996

SECTION: No. 21, Vol. 25; Pg. 3; ISSN: 0736-7260

IAC-ACC-NO: 18548007

LENGTH: 40747 words

HEADLINE: Nexpo '96, II: editorial and advertising systems and electronic publishing; includes related article on Freedom System Integrators' addition of Phrasea to its product line; Industry Trend or Event

BYLINE: Tribute, Andrew; Edwards, Stephen; Rossello, Rosanne; Drennan, Bill; Fischer, Christina

BODY:

... can be locked, thus allowing multiple users to work on the same page in Xpress at the same time.

Overall, the ATS pagination options are excellent in that they allow most pages that have straightforward, rectangular elements to be output directly from QuikLayout, while pages that have more complex shaping requirements can go through Xpress. It is possible to import ad dummies from other systems, currently including Atex Architect and SCS Layout-8000.

Status. StatusDesk is a separate application that can run on a pagination workstation or on a separate workstation. It supports a large monitor to allow many people to view the progress of pagination. Here, pages display geometry with different colors to show status. It continually monitors the database, changing dynamically as the status changes. Multiple pages can be viewed at one time, and ...

... Gannett, circ. 124,000) and the Evansville (IN) Courier (Scripps Howard, circ. 64,000).

Worldwide, QPS systems are in use at more than 350 sites, Quark said.

Quark also featured its Immedia software, to be released later this summer, which has been engineered to let publishers leverage Xpress skills as they branch out to multimedia and interactive design.

There was no news about when the next version of Xpress, which is expected to be called 4.0, will be introduced.

SCS relaunches GoodNews, adds AdMax

## The Seybold Report on Publishing Systems July 29, 1996

It was a big show for Software Consulting Services, which exhibited several systems that were new in one way or another:

- \* Editorial--the relaunching of the Hyphen Editorial System as SCS GoodNews, considerably enhanced since the Hyphen days and in use at one site in the U.S.

- \* Advertising--the first major showing of SCS/AdMax, combining classified ad entry, display ad entry and ad management since its first customer shipments in May.

- \* Classified pagination--the release version of SCS/ClassPag, which had been previewed a year ago and is now in regular customer use at two sites. We'll save our comments on this program for our next issue.

- \* Circulation--the formal release of SCS/Circulation, which provides a single customer database to enable a caller to address any issues with a single call.

The one area that wasn't demonstrated was the extensive work on the user interface for its line. SCS still uses a character-based interface, which was developed for use with low-cost, dumb terminals. SCS has been working on new interfaces for its entire line (except GoodNews, which already has a graphics interface), which should be ready by the end of the year, we were told.

GoodNews to the fore. Although much better known for its Layout-8000 dummying software than for its editorial systems, Software Consulting Services has been a supplier of editorial systems for as long as many of its current competitors. So when the years started to show on its Edit 8000 system--acquired years earlier as the Logicon TPS 6000--SCS had two choices: rewrite the code so it conforms to modern expectations or find an alternative product. At about the same time, Hyphen was slipping into bankruptcy, which made its Hyphen Editorial System available.

Although the Hyphen system hadn't had a lot of success outside Italy--it was installed at 30 sites worldwide, but only one in the U.S.--it provided some advantages over systems built around Xpress. Among them was the use of one composition program for all users, including reporters, editors and page makeup personnel. It also offered some capabilities that Quark hasn't offered, such as the ability to set different gutter values on different sides of a text runaround.

SCS acquired marketing rights to the system from Tera, its developers, and incorporated it in its product line as GoodNews. The target market is newspapers with circulations between 20,000 and 500,000--a much broader spectrum than most system suppliers attempt to reach with one system--and configurations ranging from 22 to 300 terminals.

One difference between GoodNews and the earlier Hyphen Editorial System is the underlying database. It uses a unified SQL ...

... incorporates a simple scripting language that a newspaper can use to make system changes after installation. It can be used throughout GoodNews to handle a broad range of functions. Any action can be built into a script and assigned to a keyboard command, including calling dialog boxes and making the results of the operator's response happen automatically. Conditional expressions can be

incorporated in scripts. (SCS says there are 300 commands that can be called by scripts.)

A script can modify a user interface, define a story or page format, control access to a database and so on. SCS reports that 100 scripts have been written and are being supplied with the system.

Other modules. GoodNews supports other modules, including Layout-8000 for creating ad dummies, an electronic mail program, an HTML generator for creating pages for the Web, an OPI server developed by Marlow Graphic Services in the UK for NT, and the Personal Librarian archiving system, which SCS has used with its earlier systems.

SCS/Track. SCS has developed a program for managing and monitoring the production of ads. It brings up, sizes and names new ads, using information from the booking system. It then routes ads from station to station as they proceed, presenting them to the appropriate users in order by deadline. When a user selects a job to work on, SCS/Track brings it up and stamps the location, date and time and updates the job status information. Logs for expired ads are archived to a history file.

SCS/Track supports bar codes for logging physical ad materials, standard report programs for printing or displaying reports based on status, identifies bottlenecks, provides production statistics and analyzes costs. Among the available reports are productivity by adtaker, volume by advertiser, corrected ads, unfinished ads, etc.

The system displays lists of ads with or without insertion orders.

SCS/Track runs on any PC, including remote units in the field.

AdMax. Like a number of other companies these days, SCS has combined classified and display ad entry within one program, although it uses different entry forms. Unlike some others, though, SCS has gone beyond classified and display advertising to interface to SCS/Circulation to provide a single database that enables callers to address all issues with a single call.

SCS also plans to support a contact management system, which it is now developing and which, it says, will be ready by the end of the year. Like other aspects of these systems, there will be no limit to the number of contacts it will support.

AdMax is a flexible, comprehensive system. For adtakers, it handles pricing of multiple products; automatic addition of extra charges for color, logos, etc.; and ad placement requests for page dummyming.

For management, it accommodates different deadlines for different days. It documents who made changes and when they were made. It faxes ads back to customers for approval, including logos, pricing and the run schedule in the fax. It also tracks income from the moment an ad is entered and keeps detailed audit-trail information for all transactions.

Status. AdMax went through beta testing at two sites and has been in live production since May. As of the show, SCS expected to start upgrading its

## The Seybold Report on Publishing Systems July 29, 1996

customer base of about 20 users soon. It will offer generous upgrade terms to try to get all customers on the new version.

Sysdeco tries to get on track

After a difficult year of efforts to integrate its new product line, Sysdeco used the show to try to convince people that it has settled down and is ready to start claiming its place as one of the ...

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## **EISA CORPORATE OFFICE**

2260 Hicks Road, Suite 405

Rolling Meadows, IL 60008

Contact: John Metsig

1-800-646-5431



4 8 9 3



# E I S A

**E**lectronic Imaging Systems of America, Inc., (EISA) is engaged in the development, distribution and integration of a Microsoft Windows™ based information and management software (document scanning and C.O.L.D.). Its premier product offering, the TARGET™ *Image and Information Management System* is expandable from a stand-alone PC based workstation to an enterprise-wide LAN/WAN document management solution.

**I**n addition, EISA offers a complete Records Management Consulting/Training package to ensure that clients are fully knowledgeable in the basics of Records Management--from record retention and legal issues to disaster recovery/preparedness planning.

**S**ome of EISA's clients include: The Chicago Tribune, Aames Financial, Wells Fargo Bank, St. Margaret Mercy Medical Centers, San Diego State University, E. W. Scripps, Summit Bank Brokerage, United States Navy, & Scottsdale Securities.

**A**dditionally, EISA is not a reseller of a third party software. EISA owns TARGET™ Systems, Inc. (Fremont, CA), the developer and provider of the TARGET™ *Image and Information Management System*.

## Solutions

- **Paper/Data Outsource Conversions**
  - Source**
    - 1 CD holds 10,000+ pages
    - 1 Optical disk holds 80,000+ pages
  - Data (C.O.L.D.)**
    - 1 CD holds 125,000+ pages
    - 1 Optical disk holds 1,000,000+ pages
- **OCR/ICR**
- **Storage/Retrieval:**
  - 5.2Gb WORM Optical
  - CD-ROM
  - TMV - Magnetic Volumes

## **Image faxing capabilities**

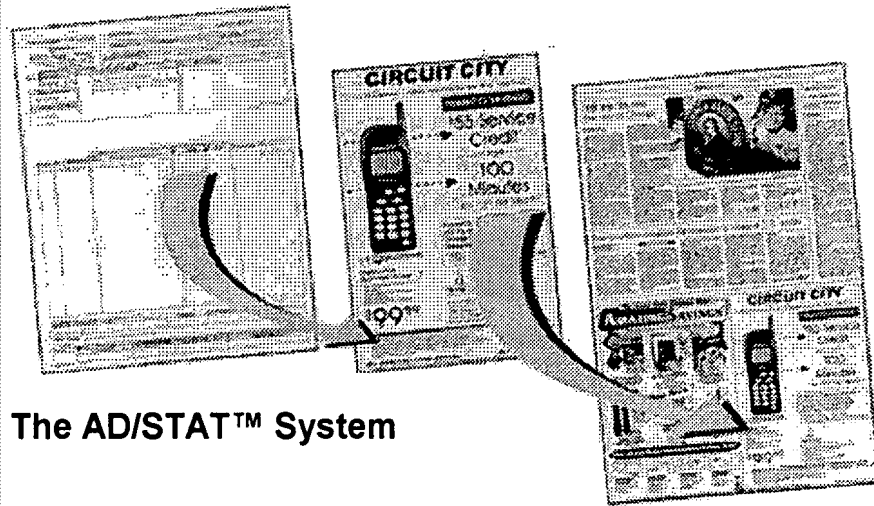
- **Robust Software:**
  - Extremely user friendly**
  - Powerful search engine**
  - C.O.L.D. and source on same media**  
**within same application as needed**
  - Data Mining**
- **Consulting:**
  - Records Management**
  - Records Retention Scheduling**
  - Disaster recovery planning**
- **Software/Hardware Integration**
- **Workflow**
- **3rd Party Software Enabling**
- **Software Customization**
- **Over 60 years cumulative experience**
- **And More...**

1 3 7 1

# AD STAT

## Original Electronic Tearsheet Solution™

**Manual Tearsheet Systems Are Now Obsolete!**



### The AD/STAT™ System

Electronic Imaging Systems of America (EISA) introduces AD/STAT, the original system which allows you to electronically match a composed or digitized ad with its corresponding statement and the news page on which the ad is located!

This unique process eliminates the need for costly, time-consuming manually created tearsheets--and provides instant access to statement and ad information.

For more information contact John Metsig at:

**800-646-5431 or [eisajohnm@worldnet.att.net](mailto:eisajohnm@worldnet.att.net)**



- Eliminates Traditional, Manual Tear Sheets.
- Allows "auto-merge" and electronic printing and mailing of:
  - Statement
  - Ad
  - Ad Newsprint Page
- Instant Retrieval of information for customer service.
- 5-1/4" optical media capacity:
  - 1,200 statements
  - 75,000 digitized ads
  - 20,000+ newsprint pages
- Electronic format allows for easy re-printing, faxing or e-mailing - Internet capable.
- Allows for optimum storage, security and disaster recovery.
- WORKFLOW-capable

**EISA: Bringing Business Solutions to You...**

Electronic Imaging Systems of America, Inc., (EISA) is engaged in the development, distribution and integration of Microsoft Windows™ based information and management software (document scanning and C.O.L.D.). Our premier product offering the TARGET™ Image and Information Management System is expandable from a stand-alone PC-based workstation to an enterprise-wide LAN/WAN document management solution.

**TARGET™ Image Management Software Publishing Applications**

ACCOUNTS PAYABLE/CREDIT  
ADVERTISING STATEMENTS  
CARRIER STATEMENTS  
SUBSCRIBER STATEMENTS  
CIRCULATION STATEMENTS  
TRANSIENT ADS  
INVOICES  
COMMERCIAL  
EMPLOYEE EXPENSE REPORTS  
CORRESPONDENCE  
CONTRACTS

6 5 5

A.S.A. Advertising

Fort Lauderdale

## classifiedadvertising

[about](#)[advertising](#)[display](#)[F.L.A.N.](#)[mini rom](#)[design](#)[specialty](#)[references](#)[contact](#)

...it's time consuming. Frustrating. Expensive. Complicating. Why deal with the hassle? For the same price it would cost you to place a classified advertisement in a newspaper, A.S.A can do it for you. No extra charge? No extra charge!

With our extensive database of information on every media venue available, including prices, demographics, etc., we can place advertising in minutes that could normally take you hours to place. We provide our clients with their buy in writing, via an "Insertion Agreement", which details ad copy, markets and estimated cost for each placement. A signature is all that is needed at this point and we will handle the rest. We even give a variety of **Payment Methods** to choose from.

Take a look at the complete A.S.A classified advertising placement process **here**. Also, take a look at some of the classified advertising **frequently asked questions**.

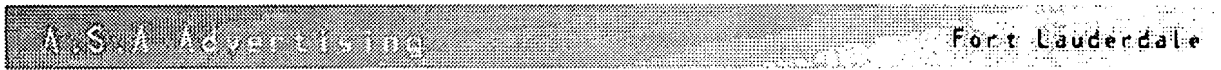
We understand that it can be quite costly if classified advertising is not placed correctly. In order to ensure that the ads are placed correctly, we responded to client requests by introducing a "Tearsheet Tracking" program- the only one of its kind- which ensures that all advertising was placed correctly.

When all the hassle and headaches are taken away from placing classified advertising, it is amazing how much time can be saved. Take a look at this **chart** and see how much time really can be saved. And we all know, time is money.

Questions? Contact:

**Todd Buckler senioraccountexecutive**

**email [tbuckler@asamedia.com](mailto:tbuckler@asamedia.com)**



## aboutus

about

advertising

display

F.L.A.N.

mini rom

design

specialty

references

contact

## introduction

What makes A.S.A Advertising, Inc. different from other advertising agencies? Is it our ability to place advertising in thousands of publications across the country to pinpoint your target markets? Is it A.S.A's reputation of making the client the number one priority? Is it our one of a kind computerized Tearsheet Tracking program? Is it A.S.A's ability to be flexible to meet the client's needs? The answer is all of the above. In a world of advertising clutter, A.S.A Advertising cuts through proving to be the simple, affordable solution.

## what can we do for you?

We can do whatever you need. Classified Advertising. Display Advertising. Graphic Design. Webpage Design. Specialty Advertising. Direct Mail. And more!

Everything we place on your behalf is handled as if it were our own. We know how important advertising is today-it's what generates revenues-period! Your advertising may be market specific, regional, national or simply based on budget. We'll discuss your needs, target audience and budget, and make the best recommendation and fax you the details in writing.

## A.S.A contact information

Contact us directly here or go to the **questionnaire** page within the website to get all the information you need. We look forward to hearing from you!

**telephone**954.714.4624

**fax**954.714.9496

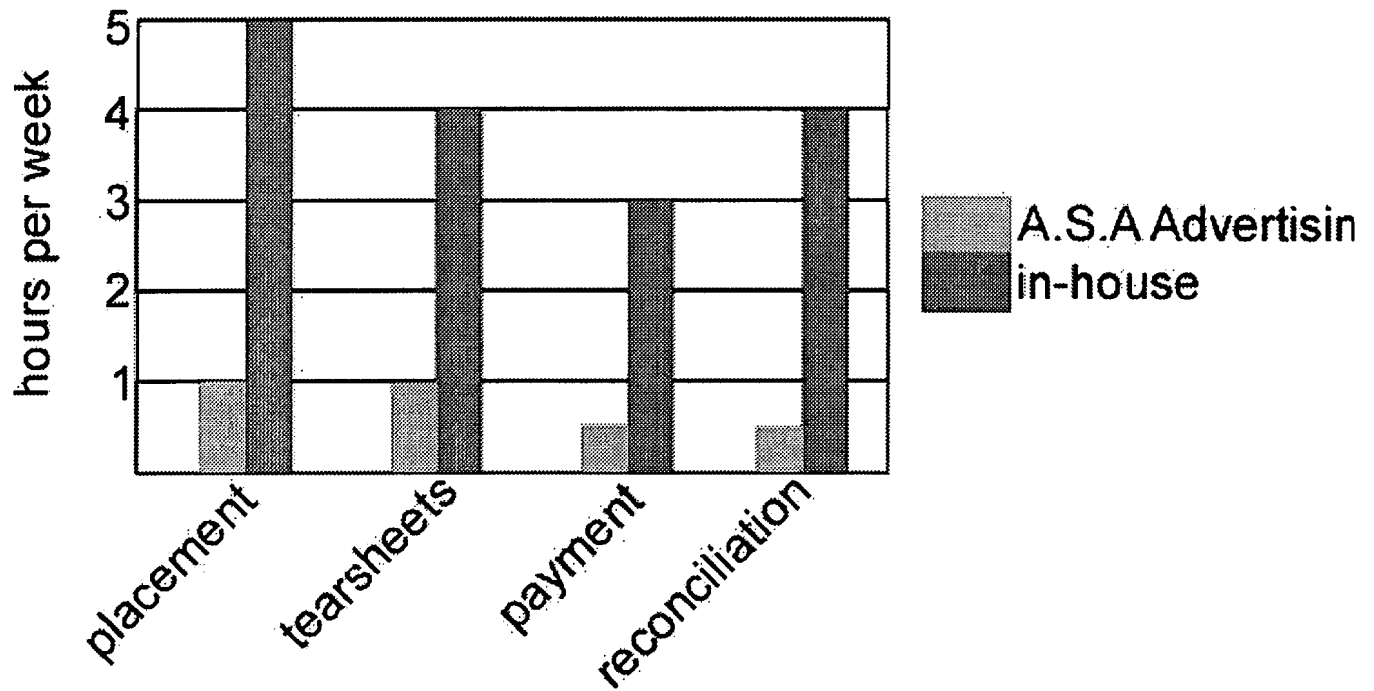
**Angela Hartsfield president**

**email** [ahartsfield@asamedia.com](mailto:ahartsfield@asamedia.com)

## classifiedadvertising

### - timeanalysis

If you are placing, confirming, reconciling, tracking tearsheets and paying for advertising, you can save 13 hours using A.S.A Advertising.

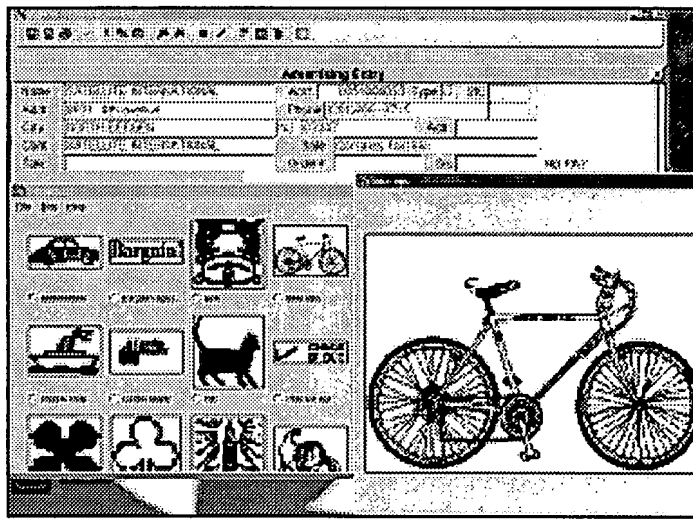
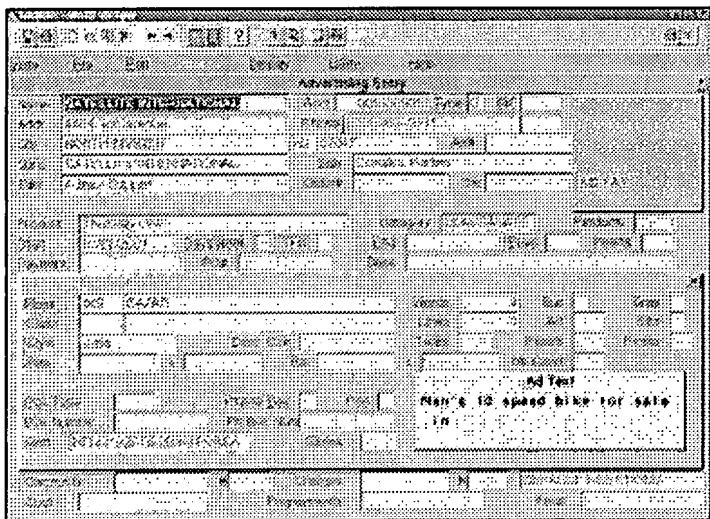


This graph indicates the estimated number of hours per week that can be saved using A.S.A Advertising.

(based on 30-50 hours per week)

# AdMAX™/Classified

## Ad Order Entry, Classified Billing and Accounts Receivable



AdMAX is a powerful retail and classified advertising management system which combines ad order entry, customer billing, accounts receivable, credit and sales management and user-definable reporting into one complete system. AdMAX is a complete, fully integrated advertising solution that offers you the flexibility to implement whichever components you need.

AdMAX/Classified has all the tools you will need to manage your classified advertising. AdMAX features a powerful composition engine for multiple languages. The system imports logos and maintains a database of logos which automatically insert into a customer's ad. AdMAX supports multiple products with different column formats and allows for flexible run schedules.

AdMAX/Classified handles pricing by typographical attributes, such as bold, logos and lines, etc., and even discounts automatically for multiple runs. AdMAX/Classified supports accounts receivable and billing for classified advertisers.

SCS provides all the systems you need for full pagination. They are available on multiple platforms. You choose the best of current technology.

SCS has over 20 years of experience developing prepress systems for newspapers. Our highly qualified support team will back you up around the clock.

### Servers operating on:

• SCO® Unix • Sun® Unix

### Clients operating on:

• Windows™ 95/98 • Windows NT™  
• Linux • Macintosh

### AdMAX/Classified has Superior Functionality and Performance

- Combines ad order entry, copy entry, composition, pricing, billing, accounts receivable and contract management into one fully integrated system
- Includes a powerful, multi-language composition engine
- Handles multiple publications with different column formats with a single ad order
- Accommodates multiple scheduling methods and flexible run schedules
- Imports logos and maintains a database of customers' logos for automatic insertion, as well as a general purpose content address clip art library.
- Handles accounts receivable and billing for classified advertisers
- Allows for a variety of accounting methods and flexible billing cycles (e.g. 5-4-4, etc.)
- Maintains earned contracts automatically
- Checks credit status while taking ads: optional module for online credit card transactions available
- Offers user-definable up-sells, offering alternate borders, styles frequency and added publications.
- Handles page and position requests
- Images ads with a PostScript® RIP for on-screen WYSIWYG viewing
- Faxes and e-mails ad proofs and proforma invoices directly from the system



## Software Consulting Services

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E-mail: sales@nscs.fast.net • Home Page: www.newspapersystems.com

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# AdMAX/Classified

## PDF version

AdMAX is a powerful retail and classified advertising management system which combines ad order entry, customer billing, accounts receivable, credit and sales management and user-definable reporting into one complete system. AdMAX is a complete, fully integrated advertising solution that offers you the flexibility to implement only the components that you need.

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SCS provides all the systems you need for full pagination. They are available on multiple platforms. You choose the best of current technology.

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## AdMAX/Classified has Superior Functionality and Performance

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[TOP](#)

# Chapter 3

## CUSTOMER FILES

AdMAX maintains one database for all customers. The information contained in each customer file is used to place orders, track revenue, send bills and enter payments. The customer file is where the following information is maintained:

Address

Phone Information

Contact Information

E-mail

Sales Information (Salesperson, Sales Office, Territory)

Account Type (Transient or On-Account)

Credit and Collection Information

Invoice and Statement Notices

Subscriber Information

Default Ad Information

Agency Links

Credit Card Information

Tearsheet Information

Linked Account Information

Customer information is read into the Order Entry screen when the user searches on one of the key fields.

When you open AdMAX, you will see the Main Menu. Highlight **Advertising Maintenance** and press <Enter>. Select **Customer Maintenance**. Then select the **Customers** option. AdMAX will display the [List of Active Customers].

<div style="display: flex; justify-content: space-between;"> <div> <b>F4</b> Route         </div> <div>           Last Changed By: keith            Date of Last Change: 11/01/2000            Time of Last Change: 14:06:57         </div> <div> <b>F9</b> Inquiry         </div> </div>			
<div style="text-align: center; border: 1px solid black; padding: 2px;">List of Active Customers</div>			
Number	Name	Queue	A/I
0000100012	GREENSBORO COLLEGE ADL ED		A
0000100016	KOURY CORPORATION		A
0000100017	EUROSTAR AUTOMOTIVE		A
0000100018	MATTESON CONSTRUCTION CO		A
0000100019	RENTENBACH CONSTRUCTORS		A
0000100028	NORMAN STOCKTON		A
0000100029	GENERAL FERTILIZER EQUIP		A
0000100031	BUSINESS INTERIORS GROUP		A
0000100033	GUILFORD COLLEGE		A

**F5**  
View All

**F8**  
Switch

**F7**  
Search

Insert  
Insert

Delete  
Inactive

### 3.1 Customer Address Information

AdMAX will use the Customer Address information for the production of invoices, statements and collection notices.

**Customer Number** AdMAX automatically assigns a unique customer number.

**Customer Name** The customer's full name.

**Attention Line** The name of the person who should receive correspondence regarding ads placed by this customer.

**Address Lines** The customer's address, **City**, **State**, **Country Code** and **Postal Code**.

### 3.2 Primary Contact Information

AdMAX will display the [Customer Primary Contact Information] window. The primary contact is considered by AdMAX to be the main link between the customer and the paper. The Primary Contact information will be used in all facets of the advertising process. This information will appear in Order entry, and the phone number on the ads in Order Entry will be the primary contact's phone number. Reports that list the contact will use the primary contact's name.

**Extra Contacts** In the [Active Contacts] window, press the <Insert> hotkey to add a contract. AdMAX will display the [Contacts] window.

Write File Edit Display Utility Help (Entering Data)

Last Changed By: CONV  
Date of Last Change: 12/23/1999  
Time of Last Change: 15:52:49

Name	Type	A/I
Contacts		

Contact Name:   
 Job Title:   
 Type of Contact:   
 Description:   
 Phone Number:  Ext:   
 Fax Number:  Ext:   
 Email Address:

Enter the available information for this contact. Select **Write** to save your work. The new contact will now be added to the [Active Contacts] window.

**Changing the Primary Contact** In the [Active Contacts] window, one of the Names will have the PRIMARY designation next to it. This is the first contact AdMAX will use for any customer notices or account information. You can change the primary contact designation.

To make another contact the primary contact, highlight it and press the <F7> hotkey. The highlighted contact will now have the Primary designation.

Optional fields in the Contact area are **Job Title**, **Description**, **Fax Number** and **Email Address**. If you communicate with more than one person at for this customer, AdMAX allows you to create multiple contacts. These contact can be used on Credit Notes for following up on collection.

Write File Edit Display Utility Help

Last Changed By:  
Date of Last Change:  
Time of Last Change:

**Customer Primary Contact Information**

Contact Name: MODERN OFFICE MECHANICS  
Job Title:  
Type of Contact: Other  
Description:  
Phone Number: Ext:  
Fax Number: Ext:  
Email Address:

**Contact Name** The name of the person who will be the primary contact for this customer. This contact will be used as the default in Order Entry and on reports.

**Job Title** The primary contact's official **Job Title**.

**Type of Contact** The contact type often indicates the contact's department or job function. Press <F1> to select from a list of contact types.

**Description** (Optional) This field describes the circumstances under which this primary contact should be used.

**Phone Number** The primary phone number and/or extension for the customer.

**Fax Number** The fax number for this customer.

**Email Address** The e-mail address for this customer.

### 3.3 Customer Sales Information

AdMAX will display the [Customer Sales Information] window.

Customer Sales Information			
00%	Salesperson	0000000113	Henry O. Henry
00%	Sales Office	0000000005	BARTER
00%	Sales Territory	0000000004	Bethlehem
00%	Commission Code		

**Salesperson** This is the salesperson who is generally responsible for the account. This salesperson's name will be the default used when an ad is taken in Order Entry. If the salesperson is overridden in Order Entry, the new salesperson is considered to be the Transaction Salesperson. The default customer is the Customer Salesperson. If more than one salesperson is responsible for the customer, AdMAX also gives you the ability to assign salesperson by product. **Salesperson Assignments** You can assign more than one salesperson to the customer. You might want to do this if the customer advertises in different products and these products have different salespeople associated with them. Press <F12> to open the list of [Available Commands]. Select the **Salesperson Assignments** command. The system will display the [Active Salesperson Assignments] window.

Active Salesperson Assignments			
Product	Ad Category	Salesperson	A/I
No Active Salesperson Assignments Exist			

Buttons at the bottom: F5 View All, F8 Switch, Insert Insert, Delete Inactive

You can view active and inactive salespeople, add salespeople and inactivate salespeople using the hotkeys indicated at the

bottom of the screen. **Adding Extra Salespeople** You can add extra salespeople who are responsible for various products. In addition, the same salesperson can be responsible for several products. Press the <Insert> hotkey to add a salesperson. AdMAX displays the [Multiple Salesperson Assignments] window.

The screenshot shows the AdMAX software interface. At the top is a menu bar with options: Write, File, Edit, Display, Utility, Help, and (Entering Data). Below the menu bar is a status bar. The main window displays a message box with the text: "Last Changed By:", "Date of Last Change:", and "Time of Last Change:". Below this message box is a table titled "Active Salesperson Assignments". The table has four columns: Product, Ad Category, Salesperson, and A/I. The table is currently empty, and a message "No Active Salesperson Assignments Exist" is displayed below the table. Below the table is another window titled "Multiple Salesperson Assignments". This window has three rows of input fields: Product, Ad Category, and Salesperson. Each row has two input fields, one for the code and one for the name.

**Product** When the customer schedules an ad in this product, the salesperson assigned to this record will be used, instead of the main salesperson on the customer record. Enter the product code in the first field or the product name in the second. Press <F1> to select from a list of products.

**Ad Category** When the customer schedules an ad using its specific ad category, the salesperson on the ad will be the one indicated in this record. Enter the code for the category in the first field or the category name in the second field. Press <F1> to select from a list of ad categories.

**Salesperson** This is the salesperson you are assigning to the customer's account for the product and ad category indicated. Enter the salesperson number in the first field or name in the second field. Press <F1> to select from a list of salespeople.

Select **Write** to save this salesperson assignment.

### 3.4 Customer Credit Information

AdMAX will display the [Customer Credit Information] window. The credit information stored in a customer's file determines who will be responsible for collecting payments, what a customer's current credit standing is, when a customer's credit application was approved, the credit limit, how far through the collection process a customer has been, the customer's credit, and any links the customer might have to other customers.



Customer Credit Information		
N		
0:	Account Type	ON ACCOUNT
0:	On-Account Approval Date	01/01/1999
0:	Order Confirmation	N
0:	Credit Manager	000000007 Patbert
0:	Credit Code	000000001 CR = CREDIT LIMIT
0:	Collection Process Type	ROACT
0:	Account Queue	TEST ON ACCT
0:	Credit Limit	0.00
0:	Last Collection Level	0000

**Account Type** The account type options are *On Account*, meaning that the customer has gone through the credit approval process, and *Transient*, meaning the customer hasn't gone through credit approval.

**On-Account Approval Date** If this is an On-Account customer, enter the date that the customer's credit application was approved.

**Order Confirmation** A form generated when an ad is created that is sent to the customer to verify the advertising order. Enter Y if you want this form produced for this customer's orders.

**Credit Manager** The credit manager is the person at your newspaper who will follow up with the customer if there is a payment problem. Press <F1> to select from a list of available credit managers.

**Credit Code** This represents the customer's current credit standing. It can be assigned by the collection process, as well as manually by the credit manager. For instance, the Credit Code may indicate that the customer must prepay for ads. Press <F1> to select from a list of credit codes.

**Collection Process Type** This defines what actions will be taken against a customer as an invoice ages and payment is not received.

**Account Queue** AdMAX doesn't give you access to this field. AdMAX uses this field to display the customer's queue when a new customer is entered through Order Entry. In those cases, the system assigns the queue that is set up in the sales office as the new account queue.

**Credit Limit** AdMAX adds the customer's total due with any pending items and then compares the amount to the dollar figure entered in this field. If the customer's total outstanding balance exceeds that dollar figure, the customer's account is flagged. Depending on how AdMAX is set up, the customer could be sent to a review queue or could be prevented from running until a payment is received to lower the total outstanding balance.

**Last Collection Level** AdMAX uses this field to display at a glance how far the customer has advanced through the collection process without making a payment.

**Credit History** You can view the credit history of a customer. The credit history shows the credit code and limit and information about collection notices and agencies.

Open the customer record for which you want to see the credit history. Press <F12> to open the [Available Commands] list and select the **Credit History** command.

AdMAX will display the [Credit History] window. Press the LEFT ARROW key to leave this window.



**Credit Links AdMAX** gives you the ability to link the credit of customers who work for the same company or whose bills are paid by the same source. A credit link is used when the credit limit is checked. AdMAX will use the most restrictive credit limit and use that limit to evaluate all customers in the credit link.

To access credit link information, press <F12> to open the [Available Commands] list and select **Credit Links** or press <Shift+F12> and enter *crdlink* on the command line.

You will see the [List of Active Credit Links], displaying the customer number and name. You can add, delete and edit credit links from this screen.

**Adding a Credit Link** Press the <Insert> hotkey to add a credit link to a customer. AdMAX will display the [Credit Link Assignment] window.

Enter the **Linked Customer**. You can enter either the customer number in the first field or the customer name in the second field. You can press <F1> to select from a list of active customers. If you attempt to create a credit link that already exists, AdMAX will warn you. Select **Write** to save this credit link.

### 3.5 Customer Billing Information

AdMAX will now display the [Customer Billing Information] window.

Last Changed By:		
Date of Last Change:		
Time of Last Change:		
<b>Customer Billing Information</b>		
Balance Method	OPEN	
Statement Notice	000000004	Chains/Financial Statement
Statement Cycle	000000002	CALENDAR MONTH
No. of Statements	01	Original Statement? <input checked="" type="checkbox"/> Y Print Message? <input checked="" type="checkbox"/> Y
Invoice Notice	000000016	Quincy Test Invoice
Invoice Cycle	000000002	CALENDAR MONTH
No. of Invoices	01	Original Invoice? <input checked="" type="checkbox"/> Y Print Message? <input checked="" type="checkbox"/> Y
Use Finance Charge Percentage Override	<input type="checkbox"/> N	
Percentage Override		
Use Maximum Number of Days in Arrears Override	<input type="checkbox"/> N	
Number of Days		

**Balance Method** This defines how payments and adjustments are applied to a customer's balance. AdMAX gives you two options: OPEN and BALANCE FORWARD. In the OPEN method, the accounting department chooses invoices to pay off or adjust. In the BALANCE FORWARD method, all payments are applied to the oldest invoice first; with this method, the accounting department doesn't select the invoices.

**Statement Notice** If the customer receives a monthly report that describes all transactions that occurred during the month, enter the name of that form here.

**Statement Cycle** This determines the frequency with which a customer will receive a statement.

**Number of Statements** This indicates how many copies of the statement should be sent out to the customer.

**Original Statement** AdMAX gives you the ability to send statements to more than one person. This is done through the creation of extra names. Only one person can receive the original; the other names receive copies. If you place a Y here, this customer receives the original statement.

**Print Message** When you print statements, AdMAX gives you the ability to print different messages based on the age of the customer's balance. The decision to print these messages can be made on a customer-to-customer basis.

**Invoice Notice** If the customer receives a detailed list of advertising charges, enter the name of that form here.

**Invoice Cycle** This determines when a customer's advertising is available to be billed.

**No. of Invoices** Enter how many copies of the invoice should be sent to this customer.

**Original Invoice** AdMAX gives you the ability to send invoices to more than one person. This is done through the creation of extra names. Only one person can receive the original; the others receive copies. If you place a Y in this field, this customer will receive the original invoice.

**Print Messages** When you print invoices, AdMAX gives you the ability to print different messages based on the age of the customer's balance. The decision to print these messages can be made on a customer-to-customer basis.

**Use Finance Charge % Override** When AdMAX is set up to calculate finance charges, all customers receive a finance charge. If the customer is exempt from finance charges, you must override the finance charge on the customer's file. If the customer shouldn't be charged a finance charge or should be charged a different percentage, AdMAX allows you to override the percentage charged. Enter a Y in this field and then fill in the following **Percentage Override** field.

**Percentage Override** If you set the **Use Finance Charge % Override** field to Y, the **Percentage Override** field is where you indicate the actual percentage AdMAX should charge when calculating finance charges for this customer. If the customer shouldn't be charged a finance charge, enter zero here.

**Use Maximum Number of Days** Credit codes can be set up to calculate the number of days a customer can have a past due balance before being flagged. All customers with this credit code can be flagged. If this customer shouldn't be flagged or should be flagged at a different time, AdMAX gives you the ability to override the default number of days. Enter Y in this field and then enter the **Number of days** when the customer should be flagged, if past due.

**Number of Days** This is the actual number of days this customer is allowed to have a past due balance before being flagged. If the customer shouldn't be flagged, enter 9999 in this field.

**Names** AdMAX allows you to send an original or copy of an invoice or statement to companies other than the customer. For example, real estate agents might have a copy of their bills sent to their main real estate office or a car dealership might have their offices billed at the main headquarters while each office gets a copy of the bill.

To open the [Extra Names] window, press <F12> to open the [Available Commands] list and select the **Names** command.

When you are in the [Active Extra Names] list, press the <Insert> hotkey to add an extra name. AdMAX will display an [Extra Names] window. You can then fill in the recipient's name and address, along with the other parameters for statements and invoices, as explained above.

If you have already indicated in the [Customer Billing Information] window that the primary contact should get the original statement and you try to give the original statement to an extra name, you will get an error message when you try to save this record.

Select **Write** to save this extra name. AdMAX will add it to the list of [Active Extra Names].

### **3.6 Customer Control Information**

AdMAX will display the [Customer Control Information] window. Customer control information is additional information that can be used to handle a customer's advertising.

Write File Edit Display Utility Help

Last Changed By:  
Date of Last Change:  
Time of Last Change:

**Customer Control Information**

SIC Code

Receivable Type

Subscriber?

Circulation Number

Customer Type

Customer Dormancy Days

Ad Dormancy Days

Is This An Agency

Default Ad

Default Position

Require Purchase Order

**SIC Code** If your paper uses Standard Industrial Classification Codes to track advertising and revenue, enter the code that most closely matches the customer's type of business.

**Receivable Type** If your paper uses receivable types to classify different types of accounts receivable, press <F1> and choose the receivable type that represents the group this customer is part of.

**Subscriber** This field is used for informational purposes only. If this flag is set to Y, the word SUBSCR appears in the Status Box in Order Entry. Ad takers and sales reps can use this information to upsell the customer as a subscriber. The ad takers and sales reps also have the ability to set this flag in Order Entry. It is mainly used by sites whose classified sales reps upsell subscriptions into their paper.

**Circulation Number** Currently this field is for informational purposes only. It is meant for future use with interfaces to circulation systems.

**Customer Type** If the paper uses customer types to classify customers into different groups, press <F1> and select the customer type that best represents the group this customer belongs to.

**Customer Dormancy Days** This is used to determine when a customer's account should be purged from the AdMAX system. The account will be available to be purged as long as there are no transactions posted against the account within the number of days defined in the Dormancy Days field. *Note: The customer must have no transaction on the system in the active databases or in the history databases to be purged.*

**Ad Dormancy Days** This is the number of days after a customer's ad has expired and been paid off that it is available to be purged from the system.

**Is this an Agency** An agency handles advertising for other businesses. If this customer will be placing ads for other customers, enter Y here.

**Default Ad** Some papers have customers who sign contracts agreeing to run an ad every publication day for a specified period of time. The customer agrees that the paper can run a default ad whenever the customer doesn't specifically place an ad. This default ad is called a rateholder ad. Enter the customer's rateholder ad here.

**Default Position** This field is for future use.

**Require Purchase Order** If the customer's purchasing department requires their employees to receive a verification number before placing an advertisement, enter a Y here.

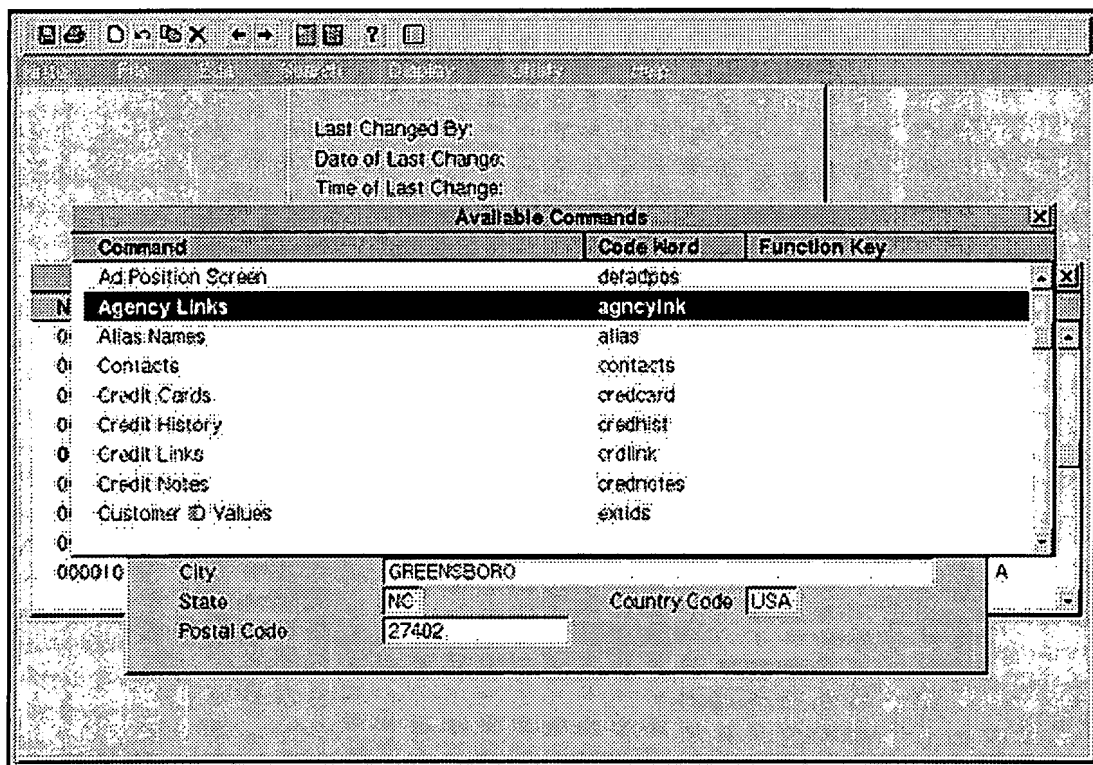
This completes the new customer record. Select **Write** to save the customer information. Your new customer will appear on the

list of active customers.

### 3.7 Agency Links

If you are aware that an agency will be placing ads for this customer, AdMAX allows you to create a link between that agency and the customer. This link helps ad takers when they are scheduling ads and allows the paper to choose whose contract will be used and who will receive the bill.

To see the agency links, open the [List of Active Customers]. Highlight the customer whose agency links you want to view and press <Enter>. In the customer window, press <F12> to display the [Available Commands] window.



Highlight **Agency Links** and press <Enter>. AdMAX will display the [List of Active Agency Links].

Last Changed By:  
Date of Last Change:  
Time of Last Change:

Agency #	Name	Billing %	A/I
No Active Agency Links Exist			

F5 View All    F6 Switch    F7 Search    Insert Insert    Delete Inactive

### 3.7.1 Adding Agency Links

To add an agency link, with your highlight bar in the [List of Active Agency Links] window, press the <Insert> hotkey. The system will display the [Agency Link] window.

Last Changed By:  
Date of Last Change:  
Time of Last Change:

Agency Link

Agency Number

Billing Percentage

Price With Agency Contract ☐

Start Date

End Date

Send Invoice to Both Customer and Agency ☐

Send Statement to Both Customer and Agency ☐

Write File Edit Display Utility Help (Entering Data)

**Agency Number** Identify the agency you are linking to the customer by entering the agency number in the first field or the agency name in the second field. Press <F1> to select from a list of agencies.

**Billing Percentage** The billing percentage defines the percentage of the ad cost that the agency is responsible for. You

can enter either 100 percent or 0 percent, meaning the agency is responsible for all or none of the bill.

**Price With Agency Contract** If ads for this customer should be priced with an agency contract, enter Y here.

**Start Date** Enter the date that the agency link will take effect.

**End Date** Enter the date the agency link will end.

**Send Invoice.../Send Statement...** AdMAX gives you the ability to send an invoice and statement to both the agency and the customer. The billing percentage is what determines who gets the original copy. If the billing percentage is set to 100%, the agency will receive the original and the customer will receive the copy.

Select **Write** to save this agency information. The agency will now be listed in the [List of Agency Links] window. Press the **LEFT ARROW** key to leave this window.

### 3.7.2 Deleting Agency Links

AdMAX gives you the ability to delete a link between a customer and an agency. Deleting the agency link will not affect ads that are currently running. You must manually remove an agency from a current ad.

### 3.8 Alias Names

AdMAX gives you the ability to create multiple names for one customer. This provides users with a quick, easy method of locating a customer by name. For example, SCS is an alias for Software Consulting Services. You might also have a customer who gives you a different name with each order (William Smith, Bill Smith, etc.)

In the [List of Active Customers], highlight the customer to whom you want to add an alias and press **<Enter>**. Press **<F12>** to display the [Available Commands] window. Select **Alias Names**. AdMAX will display the [Active Alias Names] window.

### 3.9 Entering Credit Cards on Customers

AdMAX supports the storage of credit card information for customers. How the credit cards are used and who has access to these credit cards are defined in user and system parameters. Once credit cards are saved to a customer's file, the maintenance of those credit cards is done through Customer Maintenance.

If you have permission, you can assign a credit card to a customer in the customer file.

In the opening menu, highlight **Advertising Maintenance** and press **<Enter>**. Select **Customer Maintenance**. Then select the **Customers** option. AdMAX will display the [List of Active Customers]. Highlight the customer to whom you want to add a credit card and press **<Enter>**. Press **<F12>** to display the [Available Commands] list. Highlight **Credit Cards** and press **<Enter>**. AdMAX will display the [Active Credit Cards] window.

**Pri** is short for Priority. A priority of 1 means that this credit card will be the first one listed.

**Type** describes the brand of credit card used.

**Card Number** is the number on the card.

**Expires** is the expiration date on the card.

**Name on Card** is the account name on the card.

To add a credit card, press the **<Insert>** hotkey, as indicated at the bottom of your screen.

**Card Type** refers to the brand of credit card you are entering. Press the list key to see a list of available brands and the associated codes.

**Card Number** is the account number on the card. The system will tell you if the card is valid based on the rules set up by the issuing company.

**Exp** is the expiration date on the card. You will need to enter a month, day and year in this field. If there is no day for the expiration date, enter the last day of the month. The system will tell you if you have entered an expired date.

**Name** Enter the name as it appears on the credit card. If you press **<Enter>**, the system will enter the customer name in the field.

**Address** Enter the credit card's billing address. If you press <Enter>, the system will use the address assigned to the customer.

**Use to Pay Invoices** When you run the Credit Card Report, setting this field to Y will cause any open invoices for this customer to appear on the report along with the customer's credit card information. Credit card entries created in Order Entry are automatically set to N.

**Priority** If the customer has more than one credit card, the priority is used to determine which credit cards should appear on the Credit Card Report. Credit cards entries created through Order Entry are added sequentially to the list.

Select **Write** to save the credit card information.

### **3.10 Customer Notes**

Customer notes hold comments and information about a customer. These notes can also be used to inform ad takers of vital information concerning a customer. For example, if a credit manager needs to speak with the customer when he or she calls in to place an ad, a customer note can be created in Automatic Mode. The ad taker will see the note when the customer is entered into Order Entry.

With your highlight bar in the [Customer Address Information] window, press <F12> to display the [Available Commands] menu. Select **Customer Notes**. AdMAX will display the [Customer Notes] window. You can add, edit or remove a customer note, as well as make the note appear automatically on the [Order Entry] screen.

#### **3.10.1 General/Automatic Message**

You can set up a customer note so that it automatically appears when the customer's file is brought up in Order Entry.

Highlight the note in the [Customer Notes] list and press <F3>, the General/Automatic hotkey indicated at the bottom of your screen. In the **Type** column, you will see AUTO to indicate that the note will automatically appear.

If you want to remove the automatic feature on a message you wrote, press the <F3> hotkey again and the message will return to the general list.

### **3.11 Forms**

If the customer would like extra forms, such as tearsheets, affidavits, etc. with every ad order, you can enter the form request here. The [Extra Forms] you add to a customer record apply to all orders by that customer. If a customer just wants a form with a particular ad order, the form request can be entered in Order Entry at the time the ad is taken.

With your highlight bar in the [Customer Address Information] window, press <F12> to display the commands window. Select the **Forms** command. AdMAX will display the [List of Active Extra Forms]. You can add, delete and edit standard customer form requests from this screen.

#### **3.11.1 Adding Extra Forms**

Press the <Insert> hotkey to add a customer's form request. AdMAX will display the [Customer Form] window.



**Extra Form Type** Forms include affidavits, tearsheets and proofs. If, for instance, the customer wants a tearsheet with every order, you would select *Tearsheet*. You can press <F1> to select form a list of form types.

**Number of Copies** Enter how many copies of the form you need to give to the customer.

**Delivery Method** Press <F1> to select from a list of delivery methods to send the forms to the customer.

**Charge for Form** Enter Y for Yes if your publication charges for this form. Enter N for No if there is no charge.

Select **Write** to save the information. The extra form will be added to the active list.

### 3.12 Phones

You can add extra phone numbers to a customer information record after it has been written and saved. A customer can have multiple phone numbers. AdMAX can store the customer's cell phone number, home number, fax number, multiple office numbers, etc. The phone number listed on the main screen of the customer file will be used as the primary phone number. It will be used in Order Entry and on reports.

Press <F12> to open the list of [Available Commands]. Select **Phone Numbers**. AdMAX will display a screen with any active extra phone numbers for the primary contact. From this screen, you can add, edit and delete phone entries for this customer.

You can view active and inactive numbers, switch from the active to the inactive screen, add numbers and inactivate numbers using the hotkeys indicated at the bottom of the screen.

#### 3.12.1 Changing the Primary Phone Number

You can change the primary phone number. The Primary Phone Number is the phone number assigned to the primary contact on a customer record.

In the [List of Active Customers], select the customer whose primary phone number you want to change. AdMAX will display the customer's record. Press the <Page Down> key to display the [Customer Primary Contact Information] screen.

Enter the new phone information and then select **Write** to save your changes.

### 3.13 Taxes/Charges/Discounts

AdMAX allows you to assign a tax, charge or discount on the customer level. These taxes, charges and discounts are then



automatically applied to the customer's invoice.

To open the [Default Transaction] window, <F12> to open the list of [Available Commands] and select the **Taxes/Charges/Discounts** command. You will see a list of active default transactions for this customer.

Type	Sales Office	Product	Trans Type	A/I
No Active Customer Default Transactions Exist				

To add a tax, charge or discount to a customer record for all orders, press the <Insert> hotkey. AdMAX will display the [Customer Taxes/Discounts] window.

**Type of Default Transaction** Indicate whether you are setting up a Tax, an Extra Charge or a Discount. The following fields further define this transaction.

**Sales Office** Enter the sales office that all transactions will be credited to. Press <F1> to select from a list of sales offices.

**Product** If this default transaction will apply to orders for a specific product, enter that **Product**. Otherwise, the transaction will apply to all of this customer's orders for any products. Press <F1> to select from a list of products.

**Transaction Type** If the default transaction will apply only to a specific transaction type, enter it here. Press <F1> to select from a list of transaction types.

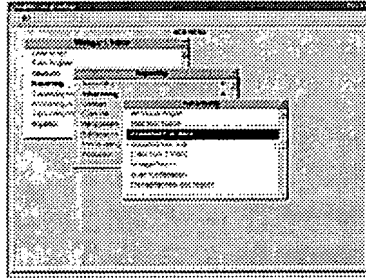
**Tax Exempt** If you want to enter a customer that is tax-exempt, you can enter *Tax* for the **Type of Default Transaction** and then enter Y in this field. You can, for example, exempt one customer from a tax that other customers have to pay.

**Tax ID Number** Tax-exempt customers have a tax identification number. If you are setting up a tax-exempt customer, enter that ID number here.

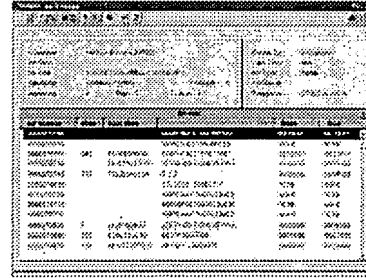
Select **Write** to save the transaction information.

TOP

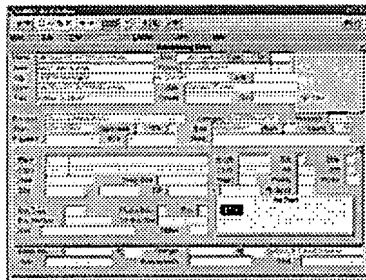
Click on a screenshot thumbnail to view a larger version of the image.



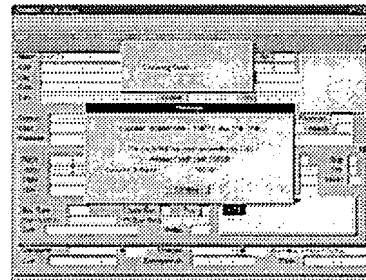
Access to advertising management information with easy-to-use cascading, hierarchical menus.



View all ads or just today's. Search for ads according to varied criteria.



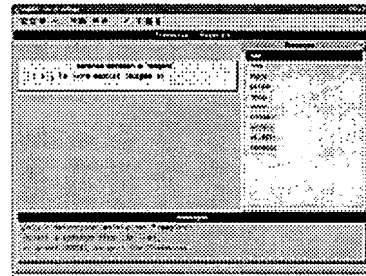
Enter classified ads for multiple products and detailed information at a glance. Color requests? Position requests? Tearsheets? You can do it all from here.



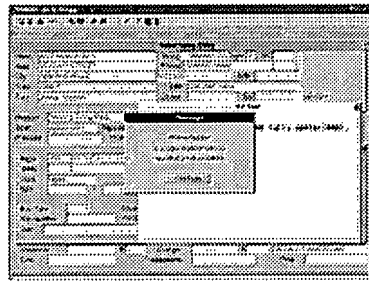
Perform instant credit checks while entering orders.



Enter and compose classified ad text. Use composition styles to automatically define font size and type style or to add images and other effects.



Invoke the online dictionary and thesaurus to improve copy.



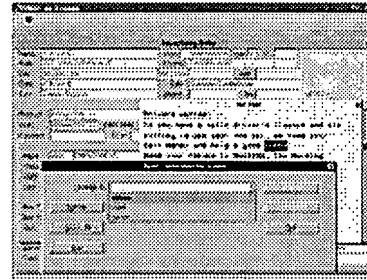
Insert customer addresses, phone numbers, etc. directly into classified ad text. Check the credit status of those phone numbers, too.



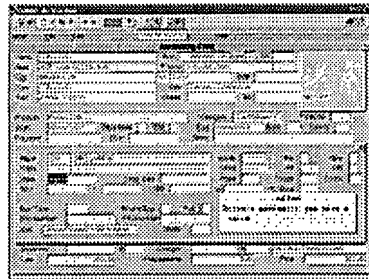
Assign and insert box numbers.



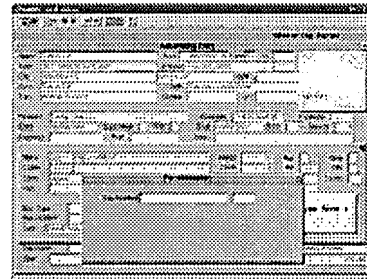
Import text files directly into ad copy.



Proof copy with the spell-checker and the "politically correct" phrase checker.

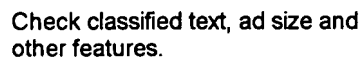


Calculate rates based on multiple linked rate tables using each feature of a classified ad (size, image, position, etc.) to figure ad prices.



Fax the ad proof directly to the customer with an insertion order.

### Detail ad prices by insertion.



## AdMAX Features

Company	Pennsylvania
Location	
Company Founded	1975
Product Launched/Latest Major Release	1996/2001

### System Interface

With layout systems (e.g., SCS's Layout-8000 and others)	✓
With tracking systems (e.g., SCS/Track and others)	✓
With classified pagination systems (e.g., SCS/ClassPag and others)	✓
With General Ledger systems	✓
With ACT	✓

### User Interface

Supports GUI and "WIMP" (Windows, Icons, Menus and Pointers)	✓
User customizable	✓
Supports command icons and quick keys	✓
On-screen help	✓
Identifies field errors at the same time a field is entered	✓
Online credit information is available for operator use	✓

### System Configuration

SCS offers complete turnkey solutions	✓
Server Platforms	
• SCO Unix	✓
• Linux	✓
• Sun Solaris Unix	✓
Workstation Platforms	
• PCs	✓
• Macs	✓
• thin clients and others	✓
Compatible with high availability solutions	✓
Maintains different privilege levels for different users	✓
Allows two-way communication with workstations at remote sites	✓
Incorporates Faircom's c-tree data manager	✓

### Publications

Facilitates packaged ad sales for multiple products (paper/edition/zone)	✓
Supports multiple publications	✓
Supports zoned publications	✓
Allows unlimited publication configurations	✓
Supports all standard publication measurements	✓
Supports cross-selling of ads at multiple publishing sites	✓

### Ad Order Entry and Management

Manages retail and classified advertising in one system	✓
---	---

Fax out ad image and ad header information	✓
Accepts multi-publication scheduling of ads	✓
Duplicates customer information for multiple ads for the same customer	✓
Duplicates an existing ad and modifies it to become a new ad with a new number	✓
New customer records can be created on-the-fly in Order Entry	✓
Ability to view particular ad data on screen	✓
Automatic queue routing of particular ads	✓
Subscriber information accessible in order entry with SCS/Circulation	✓
Supports pricing up-sells by publications, insertions, typographic sales, etc.	✓
Provides up-sell prompts for ad takers and sales	✓
Dynamic pricing	✓
Accesses ad history easily	✓
Supports Co-op advertising and invoicing	✓
Supports TFN advertising	✓
Accepts coupon ads, with dimensions, preventing them from printing back-to-back	✓
Supplies a graphics browser for logos and art	✓
Ad takers enter, compose and price all liner ads and one-column display ads	✓
Produces a hard copy proof to a text line printer	✓
Easily manages logos by changing, inserting or uploading them using the database	✓
Three ways to schedule ads:	
• Start/End date	✓
• Number of buys	✓
• Calendar	✓
Supports special ads such as:	
• Preprint/Insert Ads	✓
• Color Ads	✓
• Pickup Ads	✓
• Double Truck Ads	✓
• Co-op Ads	✓
• Proofs, Affidavits and Tearsheets	✓
• TFN Ads	✓
• Hold, Mail and Phone Box Ads	✓
Prioritizes position requests	✓
Allows modification of the characteristics of individual insertions such as color, style position request, etc.	✓
View, edit and add notes about an ad	✓
View a history of cost overrides and ads taken after deadline	✓

- Audit trails keeps track of changes to ads ✓
- View statistics of an ad to find out details about the ad's creation ✓
- Accepts a variety of ad specifications ✓
- Form requests can be taken per ad or assigned per account ✓
- Supports orders through advertising agencies with an ad agency link ✓

## Classified

- Ability to send classified ads and logos to the Internet ✓
- Languages supported for classified composition:
  - English ✓
  - Spanish ✓
  - French ✓
- Sorts ads using several different criteria ✓
- Files can be set galley if there are problems with classified pagination ✓
- Generates EPS output for pagination ✓
- Allows the system manager to schedule the purge of classified ads ✓
- Supports graphics in classified headers ✓
- Ability to automatically receive ads from customers on the Internet, set the ads and send the ad image and price back to the customer ✓
- Inserts into ad copy with a single keystroke, phone numbers, addresses and names ✓
- Ability to print PostScript classified ad images ✓
- Imports text files into an ad ✓
- Creates, changes and deletes classifications as necessary ✓
- Follows standard English hyphenation rules, justification and spell check ✓
- Includes a spell-checker, thesaurus and dictionary for classified text entry ✓
- Supports major classifications and subclassifications ✓
- View the ad image as it would appear in the newspaper ✓
- Includes its own database to store, file, merge and prepare ads ✓
- Comes with a complete composition engine ✓
- Print the ad image as it would appear in the newspaper ✓

View  
various  
information  
on  
screen  
such  
as  
H&J,  
billable  
lines,  
total  
depth,  
# of  
columns,  
billable  
words,  
total  
length,  
ad  
bill  
depth,  
etc.



## Typography

Pre-defined short cuts that can make a variety of changes to ad text



Site-defined short cuts for any composition command



Allows the ad taker to change typefaces and type sizes



User-definable leading for classified text



## Sales

Supports inquiries concerning daily sales



Maintains records of sales staff, offices, territories



Allows multiple sales reps per account



Provides customer information such as sales assignments, territories, etc.



## Reports and Statistics

Standard Reports:

- Accounting Reports including Aging, Collections, Custom Billing, GL, etc.
- Advertising Reports including Ad List, Classified Call Back, Lineage, etc.
- Contract Reports
- Maintenance Reports
- Production Reports including Classified Lineage, Production Estimate, etc.
- Analysis/Statistical information
- Average per inch, per insertion
- Discounts given
- Tearsheet and blind box reports
- Commission reports
- Reports by sales person
- Daily, weekly, monthly and yearly revenue reports
- Comparative reports: year-to-year, month-to-month, etc.
- Rate Tables





- And over 100 others

Provides both scheduled and on-demand reports

Ad hoc queries, queries by example and saved queries

Reports controlled by security

Can  
produces  
files  
for  
exporting  
data  
to  
spreadsheets,  
graphical  
charts  
and  
other  
COTS  
(Common  
Off  
The  
Shelf)  
software  
for  
data  
warehousing



## Rates

Accepts and maintains an unlimited number of rate tables

Flexibility for both standard and flat rating

Rates can be applied according to ad area, quantity, incremental cost, etc.

Transaction  
categories  
facilitate  
ad  
order  
entry  
and  
accounting  
of  
changes,  
discounts,  
payments,  
prepayments,  
adjustments,  
write-offs  
etc.



Link charges to ad categories for cost calculations and contract maintenance

Can  
be  
based  
on  
such  
criteria  
as  
account  
types,  
ad



copies,  
size,  
billable  
words,  
blind  
box,  
color,  
double  
truck,  
position  
requests,  
etc.

Ability to change the rates in the rate field and create new codes as necessary ✓  
Flexible premiums and discounts ✓  
Material charges based on proof, tear sheet, affidavit, memo invoice, early kill, etc. ✓  
Flexible typographical charges ✓  
Extra charges/discounts can be applied to the whole order or to individual insertions ✓  
Calculates ad cost at the click of a button including special rates ✓  
Holds old rates while new ones are being tested ✓

## Accounting

Supports memo invoicing ✓  
Dynamic credit checking ✓  
Approves and validates credit cards (both online and batch) ✓  
Places ads on hold by a pre-sort credit limit ✓  
Mix-and-match capability between rates, discounts, premiums, etc. ✓  
Site-defined aging schedules for on-account and transient customers ✓  
Maintains multiple companies and company types, facilitating:  
• Notary information for affidavits ✓  
• Collection Agency information for Collection Processing ✓  
• Composing information for classified pagination ✓  
• Cross-selling information for multiple interrelated sites ✓  
• Headquarter information for GL tracking ✓  
Standard and customizable cycles for statements and invoices ✓  
Debits and credits GL accounts according to site-defined GL definitions ✓  
Facilitates make-goods with tracking and reporting abilities ✓  
Produces invoices, statements, confirmations and collection notices ✓  
Site-definable revenue categories enable grouping of similar transaction types ✓  
Allows Accounting department to enter payments, prepayments, adjustments, etc. ✓  
Allows you to inquire about accounts and receive information quickly for:  
• Revenue Inquiries ✓  
• Transaction Inquiries ✓  
• Payment Inquiries ✓  
• Prepayment Inquiries ✓  
Permits several site-defined collection procedures ✓  
Supports setting up credit codes that lock out orders and payments ✓  
Uses credit codes to route ads to queues for hold and review ✓  
Tracks billing disagreements between the paper and customers ✓  
Allows you to flag and track disputed transactions ✓

Tracks telephone numbers that are invalid



## Customer Maintenance

Supports multiple phone numbers, addresses and customer types



Accesses account history and details in seconds



Customer files are site-defined and include such information as:

- Address
- Telephone
- Primary Contact
- E-Mail
- Sales Information
- Account Type
- Credit and Collection Information
- Invoice and Statement Notices
- Subscriber Information
- Agency Links
- Credit Card Information
- Tearsheet Information



Supports customer inquiries



Ability to set up codes for accounting, reporting and productivity



Manages requests for tearsheets, proofs, affidavits



Searches for existing customers using partial information



Maintains separate tearsheet, proof, invoice and affidavit addresses



View and enter notes about a customers credit



Make  
customer  
notes  
automatically  
appear  
onscreen  
when  
you  
open  
or  
enter  
an ad  
for  
that  
customer



## Customer Relations Manager

Includes integrated customer relationship management (CRM) tools



Includes contact management facilities



## Contracts

Maintains  
contract  
information



including  
account,  
contract  
type,  
salesperson,  
commitment  
level,  
effective  
date,  
etc.

Avoids redundant contracts	✓
Rate holder option	✓
Flexible contract status	✓
Flexible fulfillment status	✓
Multiple contract levels	✓
Automatic contract renewal or extension based on site-defined criteria	✓
Facilitates short rating and rebating of contracts	✓
Contract history	✓
Site-defined contract types by volume, dollars or orders	✓
Definable contract periods	✓
Definable contract review periods	✓
Ability to override pre-established contract requirements for individual ad entries	✓
Tracks customer contract fulfillment with site-defined rules	✓

## Miscellaneous

Supports 99 levels of security by user	✓
Provides supplemental fields which can be used to include site-specific attributes	✓
Generates mailing labels for those ads for which a bill must be sent	✓
Provides the ability to retain all ads for a minimum of 90 days after expiration	✓
Long batch processes can be scheduled for initiation during off hours	✓
Sorts and dumps while taking ads	✓
Ad Makeup notes can provide production information for display ads	✓
Documentation available online at <a href="http://www.newspapersystems.com">www.newspapersystems.com</a>	✓

## AdMAX FAQs

**Q.** Where can I find detailed information about AdMAX?

**A.** Available online documentation includes:

- [How to Enter Ads](#)
- [Daily and Monthly Procedures](#)
- [Accounting Guide: Credit Maintenance](#)
- [Accounting Guide: Customer Maintenance](#)
- [Accounting Guide: Rates and Transaction Types](#)
- [Accounting Guide: Accounting Maintenance](#)
- [Cash and Adjustment Processing](#)
- [AdMAX Inquiries](#)
- [AdMAX Contracts](#)
- [AdMAX Frequently Used Reports](#)
- [Contact Management](#)
- [SCS Composition Language](#)

**Q.** Can AdMAX export classified ads to the Web?

**A.** Yes. Here are examples of publishing sites that export classified ads from AdMAX to their web sites:

- [Longmont FYI](#)
- [Loveland FYI](#)
- [Colorado Hometown Newspapers](#)

**Q.** What constitutes a complete system?

**A.** A complete AdMAX/Classified system shall consist of software, installation, database conversion programs, training, software maintenance, software support and ongoing software enhancements necessary for full operation, all of which shall be detailed within a proposal. Here are the main modules of AdMAX:

- Ad Order Entry
- Billing for Transient and Business Accounts
- Accounts Receivable
- Credit, Contract and Sales Management
- Contact Management
- User-Definable Reports

**Q.** What does AdMAX/Classified interface to?

**A.** AdMAX/Classified easily passes data to and from the GEAC system. AdMAX/Classified uses Faircom Inc.'s C-Tree data manager. See their website <http://www.faircom.com/> for details of the broad range of interfacing possible. The system's ad database consists of over 250 relational tables (entity types) that describe every data object from advertisers to fonts.

**Q.** What is the architecture of AdMAX/Classified?

**A.** You can have one large centralized system or distributed systems. Both architectures support multiple sites connected via the network in order to cross-sell. Both options have been implemented with different customers.

**Q.** How frequently are AdMAX/Classified releases produced?

**A.** Major releases are once a year, depending on upgrade requests from current customers. New versions of releases occur more frequently with remote installations.

**Q. How does SCS upgrade customers with new releases and patches?**

**A.** The AdMAX department will schedule an upgrade with the current customer. The files are sent via modem. AdMAX will set up a script that will run, and then the upgrade is completed.

**Q. What does AdMAX/Classified installation entail?**

**A.** Usually four AdMAX/Classified personnel form an implementation team. A manager is assigned to the product implementation. Every site is unique. Installations vary by number of publications, users, remote sites, knowledge of the users, etc., and need to be evaluated individually. We have installed multiple properties with multiple publications concurrently. A system implementation for AdMAX/Classified is as follows:

- a site survey and GANTT chart for the entire project is jointly created
- a series of training sessions takes place at SCS
- SCS will then go onsite to get the system up and running
- follow-up training occurs onsite

**Q. Does AdMAX/Classified provide scheduled and on-demand report generation? Can AdMAX/Classified provide online reporting without degrading system response time?**

**A.** Yes, AdMAX/Classified provides scheduled and on-demand report generation. AdMAX/Classified runs on open systems and comes with multiple special and general purpose reporting tools. Given the right privileges, any individual can request (demand) enough system resources for simultaneous on-line report production to saturate the system and slow it down. Any reasonable administration of finite resources will yield excellent performance.

**Q. Does AdMAX/Classified include multi-level security? Ability to maintain separate sets of passwords and authorized functions for two or more publications and companies? Security for different levels to release ads for publication, i.e. Credit, Management? Security by departments, and down to the field level?**

**A.** Initial access to AdMAX/Classified is through login security. Users are then provided with access to system functions at every menu item either as a member of a security group (ad takers, accountants) or as individuals. Security at the field level gives users privileges to see or to see and change field information. The system manager administers these privileges.

**Q. How many workstations can the system support?**

**A.** The AdMAX/Classified license is a site license and you can run as many users as you wish at your site. AdMAX/Classified can support more than 80 non-dedicated workstations with the installation of the X-Windows GUI on Unix workstations, PCs with a Win32 OS or Macs. The server configuration is designed to support twice the numbers specified in the requirements document.

**Q. What kind of customer support is available for AdMAX/Classified?**

**A.** Support is located at the SCS Headquarters in Nazareth, PA. The hours of operation are Monday through Friday 8:15 AM to 4:45 PM. For emergencies, SCS has support 24 hours a day / 7 days a week. Support is available via telephone or via e-mail to the departmental e-mail addresses on the SCS website. SCS can provide dial-up access for support to remote locations. Our support staff easily handles our support load.

SCS has an in-house support database that customers can access via the Internet to view extracted support information.

**Q. How does AdMAX/Classified facilitate scheduling ads?**

**A.** AdMAX/Classified features a visual calendar for selecting ad publication dates. All the Order Entry fields are correctly validated usually field by field. A Help key is assigned to each field. Commands appear on-screen. Users have access to the list of

available commands at any time. You can remap the hotkeys to user preference. AdMAX/Classified follows IBM's common user access protocols for windowed user interface design.

**Q. Does AdMAX/Classified have the ability to place ads for different publications and/or a combination of publications?**

**A.** Yes, AdMAX/Classified easily supports multiple publications. Not only can you schedule ads for different media, you can also enter schedule ads that emits different column widths, default fonts and type styles appropriately for different print publications. AdMAX/Classified allows you to set up a nearly unlimited number of publications and combinations of publications. When selling into multiple publications, AdMAX/Classified supports named combinations of publications to provide data entry shortcuts. Virtual publications consisting of one or more real publications can be defined, scheduled and sold.

**Q. What AdMAX/Classified features facilitate designing ads?**

**A.** As the ads are entered in the Ad Order Entry screen, the inside sales representative or user has the ability to type the ad, insert images/logos, insert fonts and insert special characters. There are two models for composing ads now in use in classified systems: high productivity, output-independent style-based copy input with composition, and full direct manipulation WYSIWYG onscreen design. AdMAX/Classified supports both. Everything is built-in for style-based composition, including a full WYSIWYG display of composed ads including logos, pictures, etc. For ads best made with a tool like QuarkXPress, ad takers can run these applications on workstations.

**Q. Does AdMAX/Classified have the ability to insert images/logos in classified ads for both print and online products?**

**A.** Yes, images/logos can be inserted in classified ads for both print and online products.

**Q. Can AdMAX/Classified separate ads, if requested by the advertiser?**

**A.** Ad identifiers in AdMAX/Classified provide a unique reference number (URN) for each ad image. All this information about an ad can be duplicated to a new URN so that the selected attributes can be changed. This function can be used to "separate" ads.

**Q. Can users fax and e-mail ad information and content to potential and current advertisers? Does AdMAX/Classified offer the ability to view/print/fax ads to advertisers?**

**A.** Yes, AdMAX/Classified comes with a sendmail compatible e-mail facility that can be used to communicate with advertisers. AdMAX/Classified also comes with faxing software for the same purpose. Ads are composed to PostScript and viewed/printed/faxed using an included PostScript RIP. This assures that the generated PostScript is valid for an ad. Ads can also be e-mailed in PostScript or PDF.

**Q. Does AdMAX/Classified have a spell- and grammar-checker?**

**A.** AdMAX/Classified includes a spell checker and a dictionary/thesaurus. While we offer a grammar checker, our customers find that classified ads have so many allowed grammar exceptions that it has remained unused.

**Q. Does AdMAX/Classified include ad audit abilities with a time stamp of ads placed, modified, and deleted, along with the ad taker/user code?**

**A.** Yes, AdMAX/Classified audits ads by time stamping of the ads when they are placed, modified or deleted. The ad taker/user code is saved with the modification time stamp.

**Q. Does AdMAX/Classified's ad taking functionality enable users to insert art work, borders, fonts and special characters? Is AdMAX/Classified able to accept scanned and other types of digital images for use in creating ads?**

**A.** Yes, AdMAX/Classified can have a scanning workstation for image capture and OCR (Optical Character Recognition) text capture. You can easily insert art work, borders, special fonts and characters into ads. Scanned and other types of digital images can be imported into ads.

**Q.** Can AdMAX/Classified accept ads electronically online or by fax?

**A.** Ads that come in via fax can be passed through the imaging/scanning software provided with the system and included into the ads. E-mail files follow a similar path.

**Q.** Does AdMAX/Classified have the ability to create, maintain, delete and edit call ad classifications?

**A.** You are able to create, modify, and delete any and all ads in the system.

**Q.** How does AdMAX/Classified process rate calculations?

**A.** The rates in AdMAX/Classified are set up by a simple table-driven style. In order to calculate prices, different rate tables and procedures are selected semi-automatically, derived from an ad, customer's or contract's attributes.

**Q.** Can AdMAX/Classified support a special charges table for additional charges that can be applied to ads?

**A.** Each ad can have special charges applied to its pricing. These are identified by the ads' attributes (i.e., size, color, multiple insertion, day of week, word count, logos, and several dozen more).

**Q.** Can AdMAX/Classified maintain rate tables for seasonal activity, holidays, special events and promotions?

**A.** Yes, AdMAX/Classified is engineered to support the easy establishment of special (or seasonal) sales promotions. New publications can be easily set up for one-time or infrequent use.

**Q.** Can AdMAX/Classified provide real-time quotes for advertisers and "what if" scenarios? Can it provide real-time information on word count and inches?

**A.** Yes, AdMAX/Classified provides real-time pricing of ads with pricing variations shown for upselling and 'what if' alternatives. Word count and inch information is also computed in real-time.

**Q.** Does AdMAX/Classified accept real-time credit card payments with payment notification verified? Can advertiser credit information be stored in the master account for future payments, with real-time and report notification of expired credit cards?

**A.** Yes, AdMAX accepts and validates credit card data in real-time. Card number syntax is checked real-time, or batch payment execution using GPS (Global Payment System) and MAPP (MAC cards) is supported. This credit information is kept within the master account for future payments with notification of expired credit cards.

**Q.** Can AdMAX/Classified take multiple types of payments, including cash, credit and purchase orders?

**A.** Yes, all forms of payments are accepted including cash, credit, and/or purchase orders. Online and batch processing for credit cards are supported in both GPS (Global Payment System) and MAPP (MAC Cards).

**Q.** Can AdMAX/Classified accept variable payments for ads being placed, dead, or in collection?

**A.** Yes, AdMAX/Classified remittance processing allows multiple payment strategies. Customers can pay in full, partially pay, charge one or more credit cards, pay with one or more checks, and cash is always welcome.



**Q. What are AdMAX/Classified's billing capabilities?**

**A.** AdMAX/Classified comes with its own built-in billing system. It is also capable of interfacing with any billing system supported by input and output files.

**Q. Can AdMAX/Classified create multiple sort orders for billings with user-assigned dates for first, second and final notices, with the option for other types of billing, i.e., Collection, fourth notices?**

**A.** Invoices, statements, notices, etc. are provided in default formats (INFE compatible). These are further customized as part of the installation process.

**Q. Does AdMAX/Classified include the ability to customize bill format and paper size?**

**A.** During the installation process, you will be able to have your bill format and paper size tailored for specific needs.

**Q. Does AdMAX/Classified offer the ability to sort billing according to postal regulations or pass data to a third party postal program?**

**A.** If your invoice volume is sufficient to justify sorting by postal codes, SCS can create an interface for you to pass data to a third party postal program.

**Q. Can AdMAX/Classified cross-reference advertiser names, phone numbers and addresses?**

**A.** Yes, names, phone numbers, addresses and many other fields are indexed for rapid searching and retrieval. AdMAX/Classified also supports multiple phone/address fields for contacts and alternate mailing information.

**Q. Does AdMAX/Classified have ad-specific fields for entry of search information for online-based classifieds? For instance, can Real Estate ads have fields for number of rooms, baths, footages and price and Automotive ads would include fields for make, model, price, etc.?**

**A.** AdMAX/Classified supports searches by field contents. Since each ad classification is likely to have different relevant fields for online searching, SCS will support classification-specific templates that can be included with each classification. Each template will be site-specified and maintained. The templates will allow the inclusion of XML tags (or the like). Included template data will be processed for online use and (possibly) ignored for print presentation.

**Q. Can AdMAX/Classified record search capabilities for ad takers by different and combined search fields?**

**A.** AdMAX/Classified provides rapid retrieval of ads by using a combination of one or more indexed fields (phone number, advertiser name, ad number, order number, account number), as well as scanning searches on fields like package name, product name, classification, publication date, end date, creation date, entered by and type of ad.

**Q. Can AdMAX/Classified tie multiple phone numbers to accounts and can it flag phone numbers based on their current credit status?**

**A.** Yes, with AdMAX/Classified you can store an unlimited number of phone numbers and contacts associated with accounts. AdMAX/Classified keeps a restricted phone number list. AdMAX/Classified has very sophisticated credit management facilities, including the ability to put ads on hold requiring credit release under certain user specified credit exceptions. Ads can also be put on hold for optional credit review with automatic release. Credit worthiness is evaluated during Order Entry, on demand and at ad dump time.

**Q. Is AdMAX/Classified customizable?**

**A.** AdMAX/Classified is highly customizable by users. Everything from network device describing to customer preferences is stored in tables that users control. Each site can design its own transactions and rates. AdMAX/Classified reports can be customized easily using the SpiceRAQ report-designing tool.

**Q.** Can AdMAX/Classified reports be customized?

**A.** Yes, reports can be customized by either a search criterion or a field criterion. There are a number of general report specification generation tools that support point-and-pick report creation. Some are general purpose, operating on the application's data dictionary. Others are more application-specific, providing specific reports from a more general reporting template that performs retrieval organizations based on the applications relationships.

**Q.** Does AdMAX/Classified offer report generation by corporation, publication and branches?

**A.** AdMAX/Classified supports individual advertisers, corporate advertisers, agencies, collections of advertisers and/or agencies, and hierarchies of corporate organizations with appropriate credit, contract, billing and accounting processes. Reports can be requested by advertisers, corporations, publication, branches, etc.

**Q.** Can AdMAX/Classified perform automatic backup, chronologically up to one year with the ability to designate types of data life for various groups (i.e., advertiser history, ad history, dead status, paid/unpaid status)?

**A.** AdMAX/Classified supports controlled purging of ad data (i.e., purging ads with specified attributes by pre-defined dates unless flagged individually not to). AdMAX/Classified systems are configured to store years of data, and the purge process usually is to archive and not to discard data.

**Q.** Can AdMAX/Classified accept tearsheet requests and information?

**A.** Yes, AdMAX/Classified can accept tearsheet requests, as well as requests for other forms, such as ad proofs, affidavits and PMTs. AdMAX/Classified can store standard form requests for customer accounts and for individual ad orders. Also, AdMAX/Classified can produce tearsheet lists and labels for tearsheets.

**Q.** Do all accounts reflect any balance of all unpaid ads when customer accounts are accessed by the ad taker?

**A.** Yes, all account balances show paid invoices, billed and unpaid invoices for published or expired ads, published and unbilled ads, pending orders, etc.

**Q.** Can account write-offs be done manually or automatically by user-established parameters?

**A.** Yes, account write-offs can be done manually or automatically according to user-defined parameters. Small balance write-offs are usually done automatically as part of the end-of-month processing.

**Q.** Does AdMAX/Classified include the ability to assign "hot" keys for macros or special functions?

**A.** Yes, hot keys can be assigned for predefined special functions.

**Q.** Does AdMAX/Classified have "user" defined fields for comments and alerts?

**A.** You are able to attach user defined notes to ads, customers and invoices. Contact management support is provided via an alert/task scheduling tool that provides a "to do" list to sales representatives.

**Q.** Does SCS provide online training for new ad takers?

**A.** SCS provides online help and online manuals for new ad takers.

**Q.** How are users trained on AdMAX/Classified?

**A.** Software Consulting Services offers an appropriate mix of training on site and at SCS headquarters. End-users are accommodated and a train-the-trainer philosophy is followed. Training manuals are provided by SCS trainers, or users may obtain the manuals off the SCS website. The entire training course is provided with hands-on training on your own computers that will be used at the site.

**Q.** Can you place ads on hold according to type, review, cash limit, etc.? Can hold time frames be user defined and variable up to one year?

**A.** AdMAX/Classified supports two types of hold queues: review and stop. Ads in the review queues will run unless explicitly stopped. Those stopped won't run unless explicitly released. Ads can be placed in queues by operators. You can also define arbitrarily complex rules considering attributes of the ads, contract, customer, etc. to be automatically assigned to queues. Testing is done when ads, contracts, customers, etc. are created or modified and when ads are dumped for running.

**Q.** Can AdMAX/Classified generate and maintain contracts and contract history?

**A.** The history of all transactions for contracts and related sales representative information is kept as long as desired.

**Q.** Are online documentation and help available for ad takers and management?

**A.** Yes, online documentation and help are included for ad takers and management. Documentation is provided as plain text, searchable HTML, and HP printer compatible PCL5.

**Q.** What is the SCS policy for documenting product revisions?

**A.** SCS provides Release Notes for upgrades and patches as they are made available. The typical download delivery process to our customers is FTP.

**Q.** Does AdMAX/Classified include any commercial relational database technology?

**A.** AdMAX/Classified is written using Faircom Inc.'s data manager C-Tree. You can read about Faircom's extensive compatibility capabilities at their web site <http://www.faircom.com/>.

**Q.** Can AdMAX/Classified have one or multiple database servers, at a central location or in remote sites communicating via a T1?

**A.** Yes, your newspaper has the option to have one or multiple database servers at a central location or have remote sites communicating via a T1. Also, separate servers at separate sites for possible separate publications can cross-sell and share the information required to do this.

**Q.** Does AdMAX/Classified have GUI capabilities in Microsoft Windows NT or other OS systems?

**A.** AdMAX/Classified can run on multiple platforms, including Unix, Sun Solaris, Windows NT or Linux. PC or Mac workstations are equipped with X-Windows software to support the AdMAX/Classified GUI interface.

**Q.** Does AdMAX/Classified include the ability to limit/expand the range for historical data?

**A.** You determine how long the historical data is stored. Most customers keep up to five years, but there are no software limits.

**Q. Does AdMAX/Classified include script building capabilities?**

**A.** AdMAX/Classified comes with a primary scripting facility for scheduling sequencing, concurrent, and dependency of batch processing. The AdMAX/Classified tool set also provides for the capturing, editing and running of scripts for online processes although this facility is not currently provided for end-user configuration.

**Q. Does AdMAX/Classified use remote workstations, communication over local area networks (LAN) or wide area networks (WANs)?**

**A.** SCS provides LAN networking among local servers. Customers usually provide the network back bone. Should a VPN (Virtual Private Network) be needed, we would be happy to provide information on how to do this with low cost Linux servers.

**Q. Do we have the option to purchase non-vendor hardware for client workstations and server?**

**A.** SCS would prefer to supply the servers and would be happy to supply the workstations. As Dell's first reseller, we prefer their equipment. SCS takes responsibility for what it sells.

**Q. Does AdMAX/Classified support 10/100 based-T LAN and WAN using dedicated/frame relay T1?**

**A.** Yes, AdMAX/Classified supports TCP/IP Ethernet using 10/100 based-T LANs and WANs.

**Q. Can AdMAX/Classified print to local and network printers?**

**A.** Yes, AdMAX/Classified prints to both local and/or network printers. There is a printer attribute table that facilitates this.

**Q. How does AdMAX/Classified facilitate contact management and telemarketing?**

**A.** The contact management tool in the AdMAX/Classified system includes historical information on each customer, multiple contact names per company, credit and customer notes, viewable customer invoice and payment information, and the ability to flag customers if they are delinquent in their bills. AdMAX/Classified supports scheduling of "To Do" items, such as call backs, with notes fields for customers, contracts, ads, etc.

**Q. How is Internet technology integrated into AdMAX/Classified?**

**A.** AdMAX/Classified emits ad files for placing on commercial sites like AdOne and Pulse. Current developments work includes taking ads, payments and checking invoice amounts online. AdMAX/Classified is browser-based, and sales representatives can access rate, contract, history, box numbers and other customer information. AdMAX/Classified can be set up to dump the classified ads into a text file in order to facilitate conversion to HTML format. The method to publish classified ads to the web is to send dumped text files to an ISP. Logos and graphics are included with the text. Ads can be placed in a web server database for interactive customer searching.

**Q. Can AdMAX/Classified integrate with other databases?**

**A.** AdMAX/Classified has the capability to import data from foreign databases, such as Excel spreadsheets. We typically import data as text files with fields or space delimited.

**Q. Do you have user group meetings for customer feedback?**

**A.** Yes, we have an annual User Group Meeting. There is also an AdMAX/Classified newsgroup on our website.

**Q. What system administration and management tools does AdMAX/Classified support?**

**A.** AdMAX/Classified, being platform independent, includes all the database management tools you need to run the application. These include back up, diagnostic, and exporting and importing tools. System administration tools are those the operating system provides. SCS supports remote system administration. The applications are server central and can be run as telnet sessions worldwide. System administrators and SCS support staff can perform nearly all system maintenance from a home PC or Mac.

**Q. What back-up procedures does AdMAX/Classified support?**

**A.** SCS advertising systems have dual servers with a hot backup using SavWARE HA (formerly Sentinel software). Along with SavWARE HA, an incremental tape backup is scheduled for each night. Of course, the servers are protected by a UPS, have a RAID 5 with redundant power supplies and fans.

Elaine Gort

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Set	Items	Description
S1	2456	(BILLING OR PAYMENT OR INVOIC? OR ACCOUNTING OR ACCOUNTS()-RECEIV?)(3N)(SYSTEM? OR MANAGEMENT? OR STATEMENT?)
S2	30540	ADVERTIS? OR AD OR ADS
S3	750934	COMBIN? OR MERG? OR MATCH?
S4	1005	(AUTOMATED OR ELECTRONIC? OR DATABASE? OR DATA()BASE?)(5N)-(BILLING OR ACCOUNTING OR INVOIC? OR PAYMENT? OR DEDUCTION?)
S5	16	TEARSHEET? OR TEAR()SHEET? OR AD?()ORDER() (SHEET? OR FORM? OR ENTRY)
S6	0	MANUAL?(2N)S5
S7	2433596	OBSOLETE OR OBSOLESC? OR ELIMINAT? OR TERMINAT? OR REMOV? - OR STOP?
S8	14690	(DATE? OR PAGE? OR NAME? OR CUSTOMER? OR SUBSCRIBER? OR ATTRIBUTE?)(3N)(PUBLISH? OR PRINT? OR DATABASE? OR DIGITAL? OR - DIGITIZ?)
S9	1419	(TRACK? OR CHECK? OR VERIFY?)(3N)(BILL? OR CHARG? OR (DISPLAY OR DIGIT?)(AD? OR ADS OR ADVERTIS?)
S10	0	(CUSTOMER?)(INVOICE? OR BILL? OR STATEMENT?)(5N)((CUSTOMER?)(2N)AD?)
S11	692	UNIQUE(2N)IDENTIFIER?
S12	9	INTEGRAT?()ADVERTIS?
S13	0	S1 AND S12
S14	37	S1 AND S2
S15	13	S14 AND S4
S16	0	S15 AND S5
S17	0	S14 AND S9
S18	0	S14 AND S5
S19	1	S14 AND S3
S20	1	S19 NOT S15
S21	9	S9 AND S4
S22	0	S21 AND (S3 OR S5 OR S8 OR S11 OR S12)
S23	9	S21 NOT (S15 OR S19)
S24	1	S2 AND S3 AND S4
S25	1	S24 NOT (S15 OR S19 OR S21)
S26	220	S2 AND (S8 OR S9)
S27	5	S26 AND (S1 OR S4)
S28	2	S27 NOT (S15 OR S19 OR S21 OR S24)
S29	4	AU="WEIBEL W" OR AU="WEIBEL WILFRIED"
S30	47	AU="LOPEZ M"
S31	0	AU="LOPEZ M E"
S32	0	AU="METSIG J"
S33	1	(S29 OR S30) AND (S1 OR S2 OR S4 OR S5 OR S9 OR S11 OR S12)
S34	1	S33 NOT (S15 OR S19 OR S21 OR S24 OR S27)
S35	36357	DIGIT?() (DATA OR INFORMATION)
S36	377	S35 AND S2
S37	9	S36 AND (S1 OR S4 OR S8 OR S9 OR S11)
S38	9	S37 NOT (S15 OR S19 OR S21 OR S24 OR S27 OR S33)

PLEASE INCREASE  
SEARCH WITH

"IMAGE"; "GRAPHIC"

+ "PICTURE" in place of

"Ad" in finbur not 793  
570  
+ 635

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